

RESULTADOS DE LOS ENSAYOS REALIZADOS AL DIESEL DE LAS REFINERÍAS Y PLANTAS - 2012

| Refinería/ Terminal/Planta de Venta | PRODUCTO       | Fecha de muestreo | Punto de Inflamación ASTM D 93 (°C) | Biodiesel EN 14078 (%Vol) | Azufre ASTM D 4294 (ppm) | Viscosidad Cinemática ASTM D 445 (cSt) | Índice de Cetano ASTM D 976/ ASTM D 4737 | Destilación        |                   |                    |                    |                    |                    |                    |                    |                        |                          |                            |
|-------------------------------------|----------------|-------------------|-------------------------------------|---------------------------|--------------------------|--|--|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------------|--------------------------|----------------------------|
|                                     |                |                   |                                     |                           |                          |  |  | ASTM D 86 (PIE) °C | ASTM D 86 (5%) °C | ASTM D 86 (10%) °C | ASTM D 86 (20%) °C | ASTM D 86 (50%) °C | ASTM D 86 (90%) °C | ASTM D 86 (95%) °C | ASTM D 86 (PFE) °C | ASTM D 86 (RECUP) %Vol | ASTM D 86 (RESIDUO) %Vol | ASTM D 86 (PERDIDAS) % Vol |
| Planta de Ventas Conchán            | Diesel B5      | 06/02/2012        |                                     |                           | 926                      |  |  |                    |                   |                    |                    |                    |                    |                    |                    |                        |                          |                            |
| Planta de Ventas Conchán            | Diesel B5      | 06/02/2012        |                                     |                           | 931                      |  |  |                    |                   |                    |                    |                    |                    |                    |                    |                        |                          |                            |
| Planta de Ventas Conchán            | Diesel B5 S-50 | 06/02/2012        |                                     |                           | 25                       |  |  |                    |                   |                    |                    |                    |                    |                    |                    |                        |                          |                            |
| Planta de Ventas Conchán            | Diesel B5 S-50 | 06/02/2012        |                                     |                           | 27                       |  |  |                    |                   |                    |                    |                    |                    |                    |                    |                        |                          |                            |
| Planta de Ventas Conchán            | Diesel B5      | 21/02/2012        | 57.0                                | 5.0                       | 895                      | 2.341                                  |  | 166.0              | 181.5             | 190.0              | 207.5              | 264.0              | 327.0              | 339.5              | 352.0              | 98.0                   | 1.2                      | 0.8                        |
| Planta de Ventas Conchán            | Diesel B5 S-50 | 21/02/2012        | 60.0                                | 5.1                       | 23                       | 2.137                                  |  | 172.5              | 184.0             | 189.5              | 201.5              | 247.5              | 320.0              | 334.5              | 347.5              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Conchán            | Diesel B5      | 16/05/2012        | 67.5                                | 4.70                      | 3190                     | 3.498                                  | 50.3                                     | 175.0              | 214.0             | 230.0              | 249.0              | 290.0              | 344.5              | 360.5              | 371.5              | 98.5                   | 1.4                      | 0.1                        |
| Planta de Ventas Conchán            | Diesel B5 S-50 | 16/05/2012        | 60.5                                | 4.60                      | 30                       | 2.631                                  | 50.5                                     | 166.5              | 188.0             | 197.5              | 214.0              | 267.5              | 335.0              | 346.5              | 357.5              | 98.0                   | 1.8                      | 0.2                        |
| Planta de Ventas Conchán            | Diesel 2       | 16/05/2012        | 66.5                                | 4.60                      | 3410                     | 3.477                                  |  | 177.0              | 212.0             | 228.0              | 246.5              | 286.5              | 346.0              | 362.5              | 373.5              | 98.1.5                 | 1.5                      | 0.5                        |
| Planta de Ventas Conchán            | Diesel 2 S-50  | 16/05/2012        | 62.5                                | 4.60                      | 30                       | 2.577                                  | 50.0                                     | 168.5              | 188.0             | 196.5              | 213.0              | 261.5              | 335.0              | 351.0              | 359.5              | 98.0                   | 1.4                      | 0.6                        |
| Planta de Ventas Conchán            | Diesel B5 S-50 | 17/07/2012        | 57.0                                | 4.80                      | 36                       | 2.327                                  | 55.1                                     | 159.0              | 182.0             | 190.0              | 206.0              | 260.0              | 330.0              | 342.0              | 352.5              | 98.5                   | 1.4                      | 0.1                        |
| Planta de Ventas Conchán            | Diesel B5 S-50 | 16/08/2012        | 66.0                                | 4.70                      | 21                       | 2.559                                  | 49.4                                     | 173.0              | 197.5             | 208.5              | 222.0              | 264.0              | 330.0              | 343.0              | 354.5              | 98.5                   | 1.4                      | 0.1                        |
| Planta de Ventas Conchán            | Diesel B5      | 16/08/2012        | 57.0                                | 5.20                      | 2360                     | 2.757                                  | 49.1                                     | 167.0              | 195.5             | 210.5              | 226.5              | 268.5              | 334.5              | 352.0              | 366.5              | 98.5                   | 1.4                      | 0.1                        |
| Planta de Ventas Conchán            | Diesel 2 S-50  | 17/08/2012        | 65.0                                |                           | <17                      | 2.508                                  | 48.8                                     | 173.0              | 195.0             | 206.0              | 220.0              | 258.5              | 326.0              | 343.0              | 355.0              | 98.5                   | 1.4                      | 0.1                        |
| Planta de Ventas Conchán            | Diesel 2       | 17/08/2012        | 56.0                                |                           | 2510                     | 2.67                                   | 48.9                                     | 166.0              | 195.5             | 207.5              | 225.0              | 264.5              | 335.5              | 360.0              | 370.0              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Conchán            | Diesel 2       | 27/09/2012        | 51.5                                |                           | 2780                     | 2.619                                  | 51.5                                     | 157.0              | 176.5             | 187.0              | 205.0              | 265.5              | 345.0              | 366.0              | 377.5              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Conchán            | Diesel 2 S-50  | 27/09/2012        | 58.5                                |                           | <20                      | 2.230                                  | 48.2                                     | 165.0              | 182.5             | 189.0              | 202.0              | 249.0              | 322.5              | 338.5              | 352.5              | 98.5                   | 1.3                      | 0.2                        |
| Planta de Ventas Conchán            | Diesel B5      | 27/09/2012        | 52.0                                | 6.2                       | 2740                     | 2.858                                  | 51.9                                     | 157.0              | 171.0             | 183.5              | 206.5              | 277.5              | 350.5              | 374.0              | 383.0              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Conchán            | Diesel B5 S-50 | 27/09/2012        | 60.0                                | 5.0                       | <20                      | 2.292                                  | 48.7                                     | 165.5              | 183.5             | 190.0              | 204.0              | 254.5              | 327.5              | 340.0              | 352.0              | 98.5                   | 1.3                      | 0.2                        |
| Planta de Ventas Conchán            | Diesel 2       | 08/11/2012        | 63.0                                |                           | 1980                     | 2.590                                  | 49.4                                     | 175.5              | 197.5             | 207.5              | 221.5              | 263.0              | 329.5              | 345.5              | 359.5              | 98.5                   | 1.3                      | 0.2                        |
| Planta de Ventas Conchán            | Diesel 2 S-50  | 08/11/2012        | 58.0                                |                           | 52                       | 2.083                                  | 47.8                                     | 165.0              | 180.5             | 188.0              | 199.0              | 242.0              | 316.0              | 332.5              | 348.5              | 98.5                   | 1.4                      | 0.1                        |
| Planta de Ventas Conchán            | Diesel B5      | 08/11/2012        | 63.0                                | 4.6                       | 1870                     | 2.631                                  | 49.9                                     | 176.5              | 197.5             | 208.0              | 224.0              | 267.5              | 331.5              | 345.0              | 359.0              | 98.5                   | 1.3                      | 0.2                        |
| Planta de Ventas Conchán            | Diesel B5 S-50 | 08/11/2012        | 58.0                                | 5.0                       | 48                       | 2.149                                  | 48.6                                     | 167.0              | 182.0             | 189.0              | 201.0              | 248.0              | 323.0              | 336.0              | 348.5              | 98.5                   | 1.3                      | 0.2                        |
| Planta de Ventas El Milagro         | Diesel B5      | 14/02/2012        | 56.0                                | 4.8                       | 1470                     | 3.304                                  |  | 164.5              | 184.0             | 197.5              | 223.0              | 285.0              | 356.0              | 380.0              | 388.0              | 98.0                   | 1.6                      | 0.4                        |
| Planta de Ventas El Milagro         | Diesel B5      | 23/05/2012        | 55.50                               | 5.00                      | 1490                     | 3.252                                  | 52.1                                     | 155.5              | 181.0             | 199.0              | 229.0              | 288.0              | 353.0              | 371.5              | 382.5              | 98.5                   | 1.4                      | 0.1                        |
| Planta de Ventas El Milagro         | Diesel B5      | 14/08/2012        | 58.0                                | 4.70                      | 1530                     | 3.676                                  | 51.7                                     | 155.5              | 184.5             | 206.0              | 239.5              | 294.5              | 350.5              | 365.0              | 374.0              | 97.0                   | 1.5                      | 1.5                        |
| Planta de Ventas El Milagro         | Diesel B5      | 10/10/2012        | 53.0                                | 5.0                       | 2350                     | 3.276                                  | 51.5                                     | 152.0              | 175.0             | 189.0              | 223.0              | 288.0              | 353.5              | 376.0              | 385.5              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas El Milagro         | Diesel B5      | 22/11/2012        | 57.0                                | 5.4                       | 1870                     | 3.714                                  | 52.0                                     | 158.0              | 186.0             | 206.0              | 240.5              | 295.5              | 354.5              | 375.5              | 382.5              | 98.0                   | 1.0                      | 1.0                        |
| Planta de Ventas EMCOPESAC          | Diesel B5      | 06/02/2012        | 59.0                                | 4.6                       | 4710                     | 3.448                                  |  | 158.5              | 180.0             | 200.0              | 240.0              | 296.0              | 353.5              | 371.0              | 379.0              | 98.0                   | 1.4                      | 0.6                        |
| Planta de Ventas EMCOPESAC          | Diesel B5      | 10/05/2012        | 56.0                                | 4.60                      | 2700                     | 3.203                                  | 52.3                                     | 151.5              | 175.5             | 191.5              | 229.0              | 292.0              | 357.0              | 376.0              | 381.5              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Herco              | Diesel B5 S-50 | 21/02/2012        | 64.0                                | 5.2                       | <17                      | 2.752                                  |  | 176.5              | 197.5             | 209.0              | 225.5              | 270.5              | 328.5              | 342.5              | 353.5              | 98.5                   | 1.0                      | 0.5                        |
| Planta de Ventas Herco              | Diesel B5 S-50 | 19/11/2012        | 62.0                                | 5.7                       | <20                      | 2.151                                  | 45.9                                     | 168.5              | 188.0             | 196.0              | 208.5              | 247.5              | 322.0              | 335.5              | 348.5              | 98.5                   | 1.1                      | 0.4                        |
| Planta de Ventas Iquitos            | Diesel B5      | 10/02/2012        | 53.0                                | 5.0                       | 1220                     | 4.006                                  |  | 159.5              | 174.5             | 181.5              | 191.0              | 233.5              | 324.5              | 343.0              | 357.0              | 98.0                   | 1.2                      | 0.8                        |
| Planta de Ventas Iquitos            | Diesel B5      | 28/05/2012        | 53.00                               | 5.40                      | 1250                     | 4.083                                  | 53.3                                     | 149.0              | 178.5             | 209.5              | 257.0              | 304.0              | 353.0              | 368.0              | 374.5              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Iquitos            | Diesel B5      | 01/08/2012        | 51.0                                | 4.80                      | 1230                     | 3.905                                  | 53.0                                     | 142.5              | 173.0             | 198.0              | 249.5              | 301.5              | 352.0              | 368.5              | 377.0              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Iquitos            | Diesel B5      | 03/10/2012        | 50.0                                | 5.0                       | 1230                     | 3.857                                  | 53.3                                     | 144.0              | 169.5             | 191.5              | 242.5              | 302.5              | 356.5              | 373.0              | 383.0              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Iquitos            | Diesel B5      | 20/11/2012        | 53.0                                | 4.9                       | 1270                     | 4.112                                  | 53.0                                     | 145.5              | 174.0             | 202.5              | 255.0              | 305.0              | 353.0              | 366.0              | 376.0              | 98.5                   | 1.2                      | 0.3                        |
| Planta de Ventas Maple              | Diesel B5      | 17/02/2012        | 57.0                                | 4.7                       | 855                      | 2.486                                  |  | 166.5              | 185.5             | 195.0              | 208.5              | 256.5              | 359.0              | 389.0              | 400.0              | 98.0                   | 1.6                      | 0.4                        |
| Planta de Ventas Maple              | Diesel B5      | 29/05/2012        | 56.00                               | 4.90                      | 1270                     | 2.558                                  | 60.9                                     | 163.5              | 185.5             | 194.5              | 211.5              | 262.5              | 357.0              | 383.5              | 387.0              | 97.1                   | 1.5                      | 1.4                        |
| Planta de Ventas Maple              | Diesel B5      | 08/08/2012        | 54.0                                | 4.70                      | 1030                     | 2.331                                  | 59.3                                     | 161.5              | 183.0             | 192.0              | 205.5              | 248.5              | 352.5              | 381.0              | 383.0              | 97.1                   | 1.5                      | 1.4                        |

| Refinería/ Terminal/Planta de Venta | PRODUCTO       | Fecha de muestreo | Punto de Inflamación ASTM D 93 (°C) | Biodiesel EN 14078 (%Vol) | Azufre ASTM D 4294 (ppm) | Viscosidad Cinemática ASTM D 445 (cSt) | Índice de Cetano ASTM D 976/ ASTM D 4737 | Destilación        |                   |                    |                    |                    |                   |                    |                    |                        |                          |                            |
|-------------------------------------|----------------|-------------------|-------------------------------------|---------------------------|--------------------------|--|--|--------------------|-------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|------------------------|--------------------------|----------------------------|
|                                     |                |                   |                                     |                           |                          |  |  | ASTM D 86 (PIE) °C | ASTM D 86 (5%) °C | ASTM D 86 (10%) °C | ASTM D 86 (20%) °C | ASTM D 86 (50%) °C | ASTM D 86 (90%)°C | ASTM D 86 (95%) °C | ASTM D 86 (PFE) °C | ASTM D 86 (RECUP) %Vol | ASTM D 86 (RESIDUO) %Vol | ASTM D 86 (PERDIDAS) % Vol |
| Planta de Ventas Maple              | Diesel B5      | 04/10/2012        | 54.0                                | 4.8                       | 1270                     | 2.497                                  | 59.8                                     | 160.5              | 183.0             | 191.5              | 206.0              | 257.0              | 354.0             | 378.5              | 387.0              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Maple              | Diesel B5      | 28/11/2012        | 56.0                                | 4.9                       | 1000                     | 2.458                                  | 59.7                                     | 161.0              | 181.5             | 191.0              | 204.5              | 252.0              | 357.0             | 382.5              | 390.0              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Maple              | Diesel B5      | 28/11/2012        | 57.0                                | 4.4                       | 919                      | 2.369                                  | 59.4                                     | 164.0              | 184.0             | 192.5              | 205.0              | 247.5              | 357.0             | 384.5              | 389.0              | 97.5                   | 1.5                      | 1.0                        |
| Planta de Ventas Pampilla           | Diesel B5      | 08/08/2012        | 61.0                                | 4.70                      | 2600                     | 3.706                                  | 50.9                                     | 162.0              | 191.0             | 210.0              | 246.0              | 298.5              | 356.0             | 373.0              | 381.0              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Pampilla           | Diesel B5 S-50 | 08/08/2012        | 65.0                                | 4.60                      | 22                       | 2.728                                  | 49.3                                     | 170.5              | 198.5             | 210.0              | 227.5              | 270.5              | 330.5             | 345.0              | 354.0              | 98.0                   | 1.4                      | 0.6                        |
| Planta de Ventas Pampilla           | Diesel B5 S-50 | 29/11/2012        | 55.0                                | 5.0                       | 32                       | 2                                      | 50.6                                     | 164.0              | 177.0             | 181.5              | 192.0              | 238.5              | 323.5             | 338.0              | 349.5              | 98.5                   | 1.4                      | 0.1                        |
| Planta de Ventas Pampilla           | Diesel B5      | 28/11/2012        | 62.0                                | 5.4                       | 4850                     | 3.881                                  | 51.7                                     | 159.5              | 187.0             | 210.5              | 256.0              | 304.0              | 356.5             | 371.0              | 380.0              | 98.5                   | 1.3                      | 0.2                        |
| Planta de Ventas Pasco              | Diesel B5      | 15/02/2012        | 55.0                                | 5.8                       | 1740                     | 3.013                                  |  | 155.5              | 185.5             | 205.0              | 242.5              | 294.5              | 354.0             | 374.5              | 385.0              | 98.0                   | 1.2                      | 0.8                        |
| Planta de Ventas Pasco              | Diesel B5      | 19/04/2012        | 52.00                               |                           |                          | 3.362                                  |  | 158.0              | 184.0             | 199.5              | 229.5              | 288.0              | 355.5             | 381.0              | 385.0              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Pasco              | Diesel B5      | 19/04/2012        | 57.0                                |                           |                          | 3.382                                  |  | 157.5              | 183.0             | 199.0              | 229.0              | 288.0              | 354.0             | 380.0              | 385.0              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Pasco              | Diesel B5      | 31/05/2012        | 55.00                               | 5.30                      | 1910                     | 3.303                                  | 50.7                                     | 161.0              | 184.5             | 199.5              | 226.5              | 284.5              | 354.0             | 379.0              | 385.5              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Pasco              | Diesel B5      | 10/08/2012        | 59.0                                | 4.90                      | 1740                     | 3.07                                   | 49.2                                     | 167.5              | 192.5             | 205.5              | 228.5              | 281.0              | 341.0             | 357.0              | 367.0              | 98.5                   | 1.3                      | 0.2                        |
| Planta de Ventas Pasco              | Diesel B5      | 06/10/2012        | 52.0                                | 5.3                       | 2590                     | 2.567                                  | 52.5                                     | 158.5              | 177.0             | 186.0              | 203.0              | 268.0              | 344.0             | 363.5              | 373.5              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Pasco              | Diesel B5      | 26/11/2012        | 61.0                                | 5.2                       | 2330                     | 2.679                                  | 49.5                                     | 170.5              | 196.5             | 208.0              | 223.5              | 269.0              | 335.0             | 349.0              | 362.0              | 98.5                   | 1.4                      | 0.1                        |
| Planta de Ventas Piura              | Diesel B5      | 11/02/2012        | 58.0                                | 5.0                       | 1410                     | 3.162                                  |  | 167.5              | 186.0             | 197.0              | 219.5              | 280.5              | 359.0             | 380.5              | 393.0              | 98.0                   | 1.0                      | 1.0                        |
| Planta de Ventas Piura              | Diesel B5      | 17/05/2012        | 54.00                               | 5.30                      | 1880                     | 3.281                                  | 50.5                                     | 158.0              | 180.0             | 194.5              | 222.0              | 285.5              | 353.0             | 377.5              | 391.5              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Piura              | Diesel B5      | 16/08/2012        | 52.0                                | 5.00                      | 2100                     | 3.629                                  | 52.5                                     | 144.0              | 170.0             | 196.5              | 247.5              | 295.0              | 353.0             | 377.5              | 382.5              | 97.0                   | 1.5                      | 1.5                        |
| Planta de Ventas Piura              | Diesel B5      | 09/10/2012        | 52.5                                | 5.20                      | 2360                     | 3.297                                  | 52.1                                     | 153.0              | 175.0             | 188.5              | 222.5              | 288.5              | 353.5             | 375.0              | 384.5              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Piura              | Diesel B5      | 21/11/2012        | 57.0                                | 5.7                       | 2380                     | 3.797                                  | 53.0                                     | 154.5              | 180.0             | 200.5              | 246.0              | 298.5              | 354.0             | 373.0              | 386.0              | 98.5                   | 1.2                      | 0.3                        |
| Planta de Ventas Pucallpa           | Diesel B5      | 16/02/2012        | 52.0                                | 5.5                       | 1080                     | 2.615                                  |  | 164.5              | 184.5             | 192.0              | 213.5              | 273.5              | 340.5             | 364.0              | 374.5              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Pucallpa           | Diesel B5      | 30/05/2012        | 57.00                               | 5.50                      | 1730                     | 3.754                                  | 53.2                                     | 158.0              | 189.0             | 213.5              | 248.0              | 297.5              | 351.0             | 367.5              | 376.0              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Pucallpa           | Diesel B5      | 09/08/2012        | 52.0                                | 5.10                      | 1680                     | 3.281                                  | 53.8                                     | 151.5              | 176.0             | 192.5              | 225.0              | 290.5              | 349.5             | 367.5              | 375.5              | 98.0                   | 1.4                      | 0.5                        |
| Planta de Ventas Pucallpa           | Diesel B5      | 05/10/2012        | 51.0                                | 5.70                      | 1800                     | 2.963                                  | 54.7                                     | 155.0              | 179.0             | 192.0              | 217.5              | 284.0              | 347.5             | 369.5              | 380.0              | 98.4                   | 1.4                      | 0.2                        |
| Planta de Ventas Pucallpa           | Diesel B5      | 27/11/2012        | 53.0                                | 5.0                       | 1620                     | 3.15                                   | 52.9                                     | 156.0              | 184.5             | 202.0              | 228.0              | 285.5              | 344.5             | 359.0              | 371.5              | 98.5                   | 1.4                      | 0.1                        |
| Planta de Ventas Pure Biofuels      | Diesel 2 S-50  | 06/02/2012        |                                     |                           | <17                      |  |  |                    |                   |                    |                    |                    |                   |                    |                    |                        |                          |                            |
| Planta de Ventas Pure Biofuels      | Diesel B5 S-50 | 28/05/2012        | 64.00                               | 5.40                      | 19                       | 3.262                                  | 47.4                                     | 174.0              | 203.5             | 218.5              | 238.5              | 381.5              | 336.5             | 350.0              | 357.5              | 98.0                   | 1.4                      | 0.6                        |
| Planta de Ventas Pure Biofuels      | Diesel 2 S-50  | 28/05/2012        | 65.00                               |                           | <17                      | 3.262                                  | 46.8                                     | 169.0              | 201.5             | 216.5              | 236.5              | 277.0              | 335.5             | 352.0              | 360.5              | 98.0                   | 1.4                      | 0.6                        |
| Planta de Ventas Pure Biofuels      | Diesel B5 S-50 | 07/08/2012        | 61.0                                | 5.20                      | 21                       | 2.142                                  | 45.7                                     | 165.5              | 187.5             | 195.0              | 209.0              | 247.5              | 322.0             | 335.5              | 347.0              | 98.0                   | 1.4                      | 0.6                        |
| Planta de Ventas Pure Biofuels      | Diesel 2 S-50  | 07/08/2012        | 63.0                                |                           | 20                       | 2.11                                   | 46.9                                     | 166.5              | 189.5             | 196.0              | 207.5              | 242.5              | 314.5             | 333.5              | 345.0              | 98.0                   | 1.4                      | 0.6                        |
| Planta de Ventas Pure Biofuels      | Diesel 2 S-50  | 28/09/2012        | 62.0                                |                           | <20                      | 2.115                                  | 47.0                                     | 168.5              | 189.5             | 196.5              | 207.5              | 243.0              | 313.5             | 331.5              | 347.5              | 98.5                   | 1.3                      | 0.2                        |
| Planta de Ventas Pure Biofuels      | Diesel B5 S-50 | 28/09/2012        | 63.0                                | 5.3                       | <20                      | 2.191                                  | 47.5                                     | 171.5              | 190.0             | 196.5              | 209.0              | 248.5              | 321.5             | 334.5              | 347.5              | 98.5                   | 1.1                      | 0.4                        |
| Planta de Ventas Pure Biofuels      | Diesel 2 S-50  | 27/11/2012        | 60.0                                |                           | 35                       | 2.092                                  | 46.0                                     | 167.5              | 186.5             | 194.0              | 207.5              | 243.5              | 314.0             | 332.0              | 347.5              | 98.5                   | 1.4                      | 0.1                        |
| Planta de Ventas Pure Biofuels      | Diesel B5 S-50 | 27/11/2012        | 56.0                                | 5.4                       | 31                       | 2.176                                  | 46.5                                     | 169.5              | 188.0             | 197.0              | 210.0              | 249.0              | 323.0             | 337.0              | 349.0              | 98.5                   | 1.4                      | 0.1                        |
| Planta de Ventas Talara             | Diesel B5      | 15/02/2012        | 57.0                                | 5.2                       | 1770                     | 3.255                                  |  | 165.5              | 184.0             | 195.5              | 218.0              | 282.0              | 354.0             | 377.5              | 393.0              | 98.0                   | 1.3                      | 0.7                        |
| Planta de Ventas Talara             | Diesel B5      | 18/05/2012        | 53.00                               | 5.00                      | 1760                     | 3.18                                   | 50.7                                     | 158.0              | 177.5             | 190.5              | 217.5              | 282.5              | 353.5             | 379.5              | 389.5              | 98.0                   | 1.4                      | 0.6                        |
| Planta de Ventas Talara             | Diesel B5      | 15/08/2012        | 52.0                                | 5.10                      | 2110                     | 3.636                                  | 52.6                                     | 142.5              | 165.5             | 192.5              | 249.5              | 294.5              | 353.0             | 375.5              | 383.5              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Talara             | Diesel B5      | 05/10/2012        | 52.7                                | 4.9                       | 1620                     | 3.658                                  | 52.7                                     | 151.5              | 173.0             | 191.0              | 235.0              | 296.5              | 358.0             | 380.5              | 387.0              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Talara             | Diesel B5      | 21/11/2012        | 57.00                               | 5.80                      | 2410                     | 3.794                                  | 52.8                                     | 153.5              | 182.0             | 202.5              | 246.0              | 298.0              | 355.5             | 376.0              | 384.5              | 98.5                   | 1.3                      | 0.2                        |
| Planta de Ventas Tarapoto           | Diesel B5      | 13/02/2012        | 58.0                                | 5.2                       | 1640                     | 3.371                                  |  | 159.5              | 188.5             | 202.5              | 227.5              | 287.0              | 350.5             | 375.0              | 390.5              | 98.5                   | 1.0                      | 0.5                        |
| Planta de Ventas Tarapoto           | Diesel B5      | 22/05/2012        | 55.00                               | 5.30                      | 1850                     | 3.178                                  | 50.7                                     | 156.0              | 179.0             | 192.5              | 222.0              | 283.5              | 353.0             | 377.5              | 386.5              | 98.5                   | 1.4                      | 0.1                        |
| Planta de Ventas Tarapoto           | Diesel B5      | 13/08/2012        | 55.0                                | 5.10                      | 2100                     | 3.553                                  | 51.4                                     | 150.5              | 176.0             | 197.0              | 238.0              | 292.5              | 353.5             | 377.0              | 383.5              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Tarapoto           | Diesel B5      | 11/10/2012        | 52.0                                | 5.3                       | 2270                     | 3.345                                  | 52.1                                     | 152.5              | 174.5             | 189.0              | 223.5              | 289.5              | 354.5             | 377.0              | 384.5              | 98.0                   | 1.5                      | 0.5                        |
| Planta de Ventas Tarapoto           | Diesel B5      | 23/11/2012        | 57.0                                | 5.8                       | 2410                     | 3.782                                  | 52.9                                     | 155.5              | 180.0             | 201.5              | 248.0              | 298.5              | 354.0             | 373.0              | 385.0              | 98.5                   | 1.4                      | 0.1                        |

| Refinería/ Terminal/Planta de Venta | PRODUCTO       | Fecha de muestreo | Punto de Inflamación ASTM D 93 (°C) | Biodiesel EN 14078 (%Vol) | Azufre ASTM D 4294 (ppm) | Viscosidad Cinemática ASTM D 445 (cSt) | Índice de Cetano ASTM D 976/ ASTM D 4737 | Destilación        |                   |                    |                    |                    |                   |                    |                    |                        |                          |                            |
|-------------------------------------|----------------|-------------------|-------------------------------------|---------------------------|--------------------------|--|--|--------------------|-------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|------------------------|--------------------------|----------------------------|
|                                     |                |                   |                                     |                           |                          |  |  | ASTM D 86 (PIE) °C | ASTM D 86 (5%) °C | ASTM D 86 (10%) °C | ASTM D 86 (20%) °C | ASTM D 86 (50%) °C | ASTM D 86 (90%)°C | ASTM D 86 (95%) °C | ASTM D 86 (PFE) °C | ASTM D 86 (RECUP) %Vol | ASTM D 86 (RESIDUO) %Vol | ASTM D 86 (PERDIDAS) % Vol |
| Planta de Ventas Yurimaguas         | Diesel B5      | 13/02/2012        | 59.0                                | 6.2                       | 1170                     | 4.091                                  |  | 158.5              | 189.0             | 219.5              | 262.5              | 305.0              | 347.5             | 361.5              | 366.5              | 98.0                   | 1.2                      | 0.8                        |
| Planta de Ventas Yurimaguas         | Diesel B5      | 21/05/2012        | 50.00                               | 5.70                      | 1500                     | 3.584                                  | 52.3                                     | 152.5              | 175.5             | 197.5              | 235.0              | 295.0              | 350.5             | 368.5              | 377.5              | 98.0                   | 1.4                      | 0.6                        |
| Planta de Ventas Yurimaguas         | Diesel B5      | 13/08/2012        | 54.0                                | 4.80                      | 1460                     | 3.812                                  | 52.7                                     | 144.0              | 172.0             | 196.0              | 248.0              | 299.5              | 352.0             | 370.0              | 379.5              | 98.5                   | 1.5                      | 0.0                        |
| Planta de Ventas Yurimaguas         | Diesel B5      | 12/10/2012        | 51.0                                | 4.90                      | 1300                     | 3.986                                  | 52.9                                     | 150.5              | 174.0             | 197.5              | 250.0              | 303.5              | 354.5             | 370.0              | 379.0              | 98.0                   | 1.5                      | 0.5                        |
| Refinería Conchán                   | Diesel 2       | 06/02/2012        |                                     |                           |                          | 994                                    |  |                    |                   |                    |                    |                    |                   |                    |                    |                        |                          |                            |
| Refinería Conchán                   | Diesel 2 S-50  | 06/02/2012        |                                     |                           |                          | 27                                     |  |                    |                   |                    |                    |                    |                   |                    |                    |                        |                          |                            |
| Refinería Iquitos                   | Diesel B5      | 10/02/2012        | 55.0                                | 4.8                       | 1230                     | 4.062                                  |  | 146.0              | 177.0             | 211.0              | 264.0              | 306.5              | 354.0             | 371.5              | 374.0              | 98.0                   | 1.0                      | 1.0                        |
| Refinería Iquitos                   | Diesel B5      | 28/05/2012        | 54.00                               | 4.80                      | 1230                     | 4.041                                  | 53.0                                     | 154.0              | 184.0             | 211.5              | 255.0              | 302.0              | 352.0             | 367.0              | 374.0              | 98.0                   | 1.5                      | 0.5                        |
| Refinería Iquitos                   | Diesel 2       | 02/08/2012        | 52.9                                |                           | 1290                     | 3.89                                   | 52.9                                     | 147.0              | 176.5             | 198.5              | 241.5              | 296.5              | 352.5             | 368.0              | 375.0              | 97.5                   | 1.5                      | 1.0                        |
| Refinería Iquitos                   | Diesel B5      | 02/08/2012        | 50.0                                | 4.70                      | 1250                     | 3.698                                  | 53.6                                     | 142.0              | 167.0             | 187.5              | 235.5              | 300.5              | 357.5             | 375.5              | 382.5              | 98.0                   | 1.5                      | 0.5                        |
| Refinería Iquitos                   | Diesel B5      | 03/10/2012        | 55.0                                | 4.8                       | 1260                     | 4.071                                  | 52.7                                     | 149.0              | 176.0             | 199.5              | 252.5              | 304.5              | 353.0             | 366.5              | 377.0              | 98.5                   | 1.4                      | 0.1                        |
| Refinería Iquitos                   | Diesel 2       | 21/11/2012        | 50.0                                |                           | 1270                     | 4.019                                  | 52.6                                     | 142.5              | 175.0             | 203.5              | 255.0              | 298.0              | 346.0             | 358.0              | 369.0              | 98.5                   | 1.4                      | 0.1                        |
| Refinería Iquitos                   | Diesel B5      | 21/11/2012        | 54.0                                | 4.7                       | 1250                     | 4.107                                  | 52.7                                     | 146.0              | 178.5             | 207.0              | 259.0              | 304.0              | 349.5             | 361.5              | 371.5              | 98.5                   | 1.3                      | 0.2                        |
| Refinería Iquitos                   | Diesel 2       | 10/02/2012        |                                     |                           | 1260                     |  |  |                    |                   |                    |                    |                    |                   |                    |                    |                        |                          |                            |
| Refinería La Pampilla               | Diesel B5      | 07/02/2012        | 59.0                                | 4.7                       | 4630                     | 3.445                                  |  | 157.5              | 178.5             | 199.0              | 238.0              | 295.0              | 354.5             | 370.0              | 379.0              | 98.0                   | 1.0                      | 1.0                        |
| Refinería La Pampilla               | Diesel B5 S-50 | 07/02/2012        | 66.0                                | 4.7                       | <17                      | 2.879                                  |  | 180.0              | 201.0             | 212.5              | 229.5              | 272.5              | 331.0             | 345.5              | 355.5              | 98.0                   | 1.2                      | 0.8                        |
| Refinería La Pampilla               | Diesel B5      | 11/05/2012        | 55.0                                | 4.60                      | 2780                     | 3.202                                  | 52.5                                     | 153.0              | 176.5             | 193.0              | 228.0              | 292.0              | 355.0             | 372.5              | 381.0              | 98.0                   | 1.5                      | 0.5                        |
| Refinería La Pampilla               | Diesel B5 S-50 | 11/05/2012        | 60.0                                | 4.50                      | 21                       | 2.182                                  | 52.8                                     | 163.5              | 182.0             | 189.5              | 202.5              | 253.5              | 319.5             | 331.5              | 342.0              | 98.5                   | 1.4                      | 0.1                        |
| Refinería La Pampilla               | Diesel B5 S-50 | 16/07/2012        | 57.0                                | 5.10                      | 27                       | 2.089                                  | 46.5                                     | 162.5              | 181.0             | 187.5              | 200.5              | 246.5              | 324.0             | 337.5              | 349.0              | 98.5                   | 1.4                      | 0.1                        |
| Refinería La Pampilla               | Diesel B5      | 08/08/2012        | 62.0                                | 4.70                      | 2590                     | 3.727                                  | 49.5                                     | 162.0              | 187.0             | 210.0              | 248.5              | 290.0              | 356.5             | 374.0              | 382.0              | 98.0                   | 1.5                      | 0.5                        |
| Refinería La Pampilla               | Diesel B5 S-50 | 08/08/2012        | 61.0                                | 4.60                      | 25                       | 2.722                                  | 49.2                                     | 171.5              | 197.5             | 210.5              | 227.5              | 270.0              | 329.5             | 343.5              | 354.0              | 98.0                   | 1.4                      | 0.6                        |
| Refinería La Pampilla               | Diesel B5      | 27/09/2012        | 58.0                                | 4.7                       | 3260                     | 3.706                                  | 51.0                                     | 156.0              | 184.0             | 208.5              | 250.0              | 298.0              | 354.5             | 369.0              | 382.0              | 98.5                   | 1.4                      | 0.1                        |
| Refinería La Pampilla               | Diesel B5 S-50 | 27/09/2012        | 59.0                                | 4.80                      | <20                      | 2.398                                  | 49.2                                     | 170.5              | 179.0             | 191.5              | 208.0              | 258.5              | 328.5             | 343.5              | 354.0              | 98.5                   | 1.3                      | 0.2                        |
| Refinería La Pampilla               | Diesel B5 S-50 | 29/11/2012        | 55.0                                | 5.1                       | 26                       | 2.09                                   | 50.6                                     | 163.0              | 176.5             | 182.0              | 193.5              | 239.5              | 323.5             | 337.0              | 350.0              | 98.5                   | 1.3                      | 0.2                        |
| Refinería La Pampilla               | Diesel B5      | 28/11/2012        | 62.0                                | 5.4                       | 4890                     | 3.868                                  | 51.7                                     | 156.5              | 185.5             | 210.0              | 255.0              | 304.0              | 358.0             | 372.5              | 379.5              | 98.0                   | 1.5                      | 0.5                        |
| Refinería Maple                     | Diesel 2       | 17/02/2012        |                                     |                           |                          | 31                                     |  |                    |                   |                    |                    |                    |                   |                    |                    |                        |                          |                            |
| Refinería Maple                     | Diesel B5      | 29/05/2012        | 58.00                               | 5.00                      | 1250                     | 2.635                                  | 60.9                                     | 164.5              | 186.5             | 196.5              | 213.5              | 264.5              | 360.0             | 386.0              | 389.0              | 97.5                   | 1.5                      | 1.0                        |
| Refinería Maple                     | Diesel B5      | 08/08/2012        | 55.0                                | 4.80                      | 1040                     | 2.412                                  | 59.4                                     | 161.0              | 185.5             | 194.5              | 207.5              | 249.5              | 354.5             | 383.5              | 386.5              | 97.0                   | 1.5                      | 1.5                        |
| Refinería Maple                     | Diesel B5      | 04/10/2012        | 55.0                                | 4.8                       | 1220                     | 2.528                                  | 60.1                                     | 160.5              | 179.5             | 186.0              | 200.5              | 258.0              | 361.5             | 386.0              | 390.0              | 98.0                   | 1.5                      | 0.5                        |
| Refinería Talara                    | Diesel B5      | 15/02/2012        | 59.0                                | 5.0                       | 1750                     | 3.408                                  |  | 168.0              | 188.5             | 202.5              | 229.0              | 288.5              | 357.5             | 388.5              | 393.5              | 98.0                   | 1.6                      | 0.4                        |
| Refinería Talara                    | Diesel B5      | 18/05/2012        | 58.00                               | 5.10                      | 2280                     | 3.599                                  | 50.2                                     | 164.5              | 195.5             | 214.0              | 240.0              | 289.5              | 355.5             | 379.0              | 389.0              | 98.5                   | 1.4                      | 0.1                        |
| Refinería Talara                    | Diesel B5      | 15/08/2012        | 52.0                                | 5.10                      | 2120                     | 3.636                                  | 52.6                                     | 142.5              | 167.0             | 195.5              | 250.5              | 295.5              | 354.5             | 380.0              | 383.0              | 97.2                   | 1.5                      | 1.4                        |
| Refinería Talara                    | Diesel B5      | 06/10/2012        | 53.5                                | 5.3                       | 2330                     | 3.291                                  | 51.6                                     | 152.0              | 174.5             | 189.0              | 224.0              | 288.5              | 352.5             | 374.5              | 385.0              | 98.5                   | 1.4                      | 0.1                        |
| Refinería Talara                    | Diesel B5      | 20/11/2012        | 55.0                                | 5.5                       | 2390                     | 3.594                                  | 52.8                                     | 152.0              | 177.5             | 197.5              | 240.5              | 295.0              | 356.5             | 375.0              | 383.5              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Callao                     | Diesel 2 S-50  | 07/02/2012        |                                     |                           |                          | <17                                    |  |                    |                   |                    |                    |                    |                   |                    |                    |                        |                          |                            |
| Terminal Callao                     | Diesel B5 S-50 | 07/02/2012        |                                     |                           |                          | 26                                     |  |                    |                   |                    |                    |                    |                   |                    |                    |                        |                          |                            |
| Terminal Callao                     | Diesel B5 S-50 | 07/02/2012        |                                     |                           |                          | <17                                    |  |                    |                   |                    |                    |                    |                   |                    |                    |                        |                          |                            |
| Terminal Callao                     | Diesel B5      | 07/02/2012        |                                     |                           |                          | 1630                                   |  |                    |                   |                    |                    |                    |                   |                    |                    |                        |                          |                            |
| Terminal Callao                     | Diesel B5      | 07/02/2012        |                                     |                           |                          | 1630                                   |  |                    |                   |                    |                    |                    |                   |                    |                    |                        |                          |                            |
| Terminal Callao                     | Diesel B5 S-50 | 07/02/2012        |                                     |                           |                          | 38                                     |  |                    |                   |                    |                    |                    |                   |                    |                    |                        |                          |                            |
| Terminal Callao                     | Diesel B5 S-50 | 07/02/2012        |                                     |                           |                          | 39                                     |  |                    |                   |                    |                    |                    |                   |                    |                    |                        |                          |                            |
| Terminal Callao                     | Diesel B5      | 21/02/2012        | 55.0                                | 5.9                       | 1760                     | 3.113                                  |  | 162.5              | 179.5             | 192.0              | 216.5              | 282.0              | 349.5             | 369.0              | 385.0              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Callao                     | Diesel B5 S-50 | 21/02/2012        | 67.0                                | 5.2                       | <17                      | 3.214                                  |  | 178.0              | 208.0             | 225.5              | 244.5              | 280.0              | 333.5             | 346.5              | 357.0              | 98.5                   | 1.0                      | 0.5                        |

| Refinería/ Terminal/Planta de Venta | PRODUCTO       | Fecha de muestreo | Punto de Inflamación ASTM D 93 (°C) | Biodiesel EN 14078 (%Vol) | Azufre ASTM D 4294 (ppm) | Viscosidad Cinemática ASTM D 445 (cSt) | Índice de Cetano ASTM D 976/ ASTM D 4737 | Destilación        |                   |                    |                    |                    |                   |                    |                    |                        |                          |                            |
|-------------------------------------|----------------|-------------------|-------------------------------------|---------------------------|--------------------------|--|--|--------------------|-------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|------------------------|--------------------------|----------------------------|
|                                     |                |                   |                                     |                           |                          |  |  | ASTM D 86 (PIE) °C | ASTM D 86 (5%) °C | ASTM D 86 (10%) °C | ASTM D 86 (20%) °C | ASTM D 86 (50%) °C | ASTM D 86 (90%)°C | ASTM D 86 (95%) °C | ASTM D 86 (PFE) °C | ASTM D 86 (RECUP) %Vol | ASTM D 86 (RESIDUO) %Vol | ASTM D 86 (PERDIDAS) % Vol |
| Terminal Callao                     | Diesel B5 S-50 | 21/02/2012        | 56.0                                | 4.8                       | <17                      | 2.147                                  |  | 167.5              | 180.5             | 188.5              | 200.5              | 253.0              | 323.5             | 338.0              | 350.0              | 98.0                   | 1.4                      | 0.6                        |
| Terminal Callao                     | Diesel B5      | 18/05/2012        | 54.0                                | 4.90                      | 1740                     | 3.218                                  | 50.8                                     | 157.0              | 180.0             | 194.5              | 222.0              | 284.0              | 353.0             | 378.0              | 385.5              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Callao                     | Diesel B5 S-50 | 18/05/2012        | 65.0                                | 5.50                      | 45                       | 2.966                                  | 56.4                                     | 176.5              | 193.5             | 204.5              | 223.5              | 281.5              | 346.5             | 358.0              | 364.5              | 98.0                   | 1.4                      | 0.6                        |
| Terminal Callao                     | Diesel B5 S-50 | 18/05/2012        | 57.0                                | 5.30                      | 23                       | 2.362                                  | 48.8                                     | 160.5              | 180.0             | 193.0              | 215.0              | 263.5              | 320.0             | 333.0              | 344.0              | 98.0                   | 1.4                      | 0.6                        |
| Terminal Callao                     | Diesel 2 S-50  | 18/05/2012        | 65.0                                |                           | 46                       | 2.964                                  | 56.2                                     | 176.0              | 193.5             | 204.5              | 223.0              | 281.5              | 346.5             | 359.0              | 365.0              | 98.0                   | 1.4                      | 0.6                        |
| Terminal Callao                     | Diesel 2 S-50  | 18/05/2012        | 57.0                                |                           | 20                       | 2.286                                  | 48.3                                     | 157.0              | 180.0             | 191.5              | 212.0              | 258.5              | 315.5             | 331.0              | 345.0              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Callao                     | Diesel B5 S-50 | 16/07/2012        | 69.0                                | 5.00                      | 22                       | 2.325                                  | 48.6                                     | 182.5              | 197.5             | 204.5              | 216.0              | 254.5              | 321.0             | 334.5              | 346.0              | 98.5                   | 1.4                      | 0.1                        |
| Terminal Callao                     | Diesel B5 S-50 | 16/07/2012        | 63.0                                | 5.90                      | 32                       | 2.946                                  | 48.3                                     | 168.0              | 195.0             | 207.5              | 227.0              | 275.0              | 335.0             | 347.5              | 358.0              | 98.5                   | 1.4                      | 0.1                        |
| Terminal Callao                     | Diesel 2 S-50  | 27/08/2012        | 74.0                                |                           | <17                      | 2.605                                  | 48.9                                     | 185.5              | 205.0             | 213.0              | 224.5              | 263.0              | 330.5             | 346.0              | 359.5              | 98.5                   | 1.4                      | 0.1                        |
| Terminal Callao                     | Diesel B5      | 27/08/2012        | 52.0                                | 5.10                      | 2250                     | 3.694                                  | 51.7                                     | 154.0              | 180.0             | 202.5              | 242.5              | 294.0              | 356.0             | 380.5              | 387.5              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Callao                     | Diesel B5 S-50 | 27/08/2012        | 64.0                                | 5.00                      | 24                       | 2.491                                  | 49.7                                     | 173.0              | 195.5             | 206.0              | 220.5              | 260.0              | 328.5             | 340.5              | 355.5              | 99.0                   | 0.7                      | 0.3                        |
| Terminal Callao                     | Diesel B5 S-50 | 27/08/2012        | 73.0                                | 5.10                      | 18                       | 2.687                                  | 49.5                                     | 191.5              | 206.0             | 214.5              | 226.5              | 268.0              | 332.5             | 346.0              | 358.0              | 98.5                   | 1.4                      | 0.1                        |
| Terminal Callao                     | Diesel 2 S-50  | 28/09/2012        | 66.0                                |                           | <20                      | 2.190                                  | 47.4                                     | 175.0              | 196.5             | 204.0              | 215.0              | 254.5              | 319.0             | 333.5              | 350.5              | 98.5                   | 1.1                      | 0.4                        |
| Terminal Callao                     | Diesel B5 S-50 | 28/09/2012        | 59.0                                | 5.6                       | 20                       | 2.590                                  | 48.9                                     | 165.5              | 187.5             | 197.0              | 214.5              | 268.5              | 332.0             | 345.0              | 356.0              | 98.0                   | 1.4                      | 0.6                        |
| Terminal Callao                     | Diesel B5 S-50 | 23/11/2012        | 59.0                                | 5.1                       | 28                       | 2.530                                  | 49.5                                     | 170.0              | 192.0             | 202.0              | 219.0              | 265.0              | 328.0             | 341.0              | 352.5              | 98.5                   | 1.0                      | 0.5                        |
| Terminal Callao                     | Diesel B5 S-50 | 23/11/2012        | 60.5                                | 5.1                       | 39                       | 2.699                                  | 48.7                                     | 174.5              | 198.0             | 210.0              | 225.5              | 269.0              | 328.0             | 341.5              | 355.0              | 98.5                   | 1.4                      | 0.1                        |
| Terminal Chimbote                   | Diesel B5      | 09/02/2012        | 53.0                                | 4.3                       | 1620                     | 1.904                                  |  | 159.5              | 174.5             | 181.5              | 191.0              | 233.5              | 324.5             | 343.0              | 357.0              | 98.0                   | 1.2                      | 0.8                        |
| Terminal Chimbote                   | Diesel B5      | 15/05/2012        | 56.50                               | 4.60                      | 3300                     | 3.471                                  | 52.4                                     | 150.5              | 172.0             | 197.5              | 238.0              | 296.5              | 359.5             | 377.5              | 383.5              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Chimbote                   | Diesel B5      | 10/08/2012        | 57.0                                | 5.00                      | 3120                     | 3.173                                  | 51.5                                     | 161.0              | 184.0             | 198.5              | 224.5              | 282.5              | 349.0             | 368.5              | 381.0              | 98.0                   | 1.2                      | 0.8                        |
| Terminal Chimbote                   | Diesel B5      | 03/10/2012        | 57.5                                | 4.7                       | 3750                     | 3.55                                   | 51.1                                     | 156.5              | 183.0             | 204.0              | 242.5              | 296.5              | 354.0             | 369.5              | 379.0              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Chimbote                   | Diesel B5      | 16/11/2012        | 54.0                                | 4.8                       | 2720                     | 3.352                                  | 52.9                                     | 152.0              | 174.5             | 190.0              | 227.5              | 292.5              | 353.5             | 373.0              | 383.5              | 98.5                   | 1.3                      | 0.2                        |
| Terminal Cusco                      | Diesel B5      | 28/02/2012        | 58.0                                | 5.3                       | 1620                     | 2.582                                  |  | 169.0              | 184.5             | 193.0              | 210.0              | 266.5              | 344.0             | 367.5              | 377.0              | 98.5                   | 1.0                      | 0.5                        |
| Terminal Cusco                      | Diesel B5      | 23/05/2012        | 60.0                                | 4.70                      | 2750                     | 3.495                                  | 50.6                                     | 160.5              | 186.5             | 207.5              | 241.5              | 291.5              | 351.5             | 370.5              | 380.0              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Cusco                      | Diesel B5 S-50 | 19/07/2012        | 60.0                                | 4.90                      | <17                      | 2.8                                    | 52.8                                     | 167.0              | 195.0             | 210.0              | 232.0              | 271.0              | 330.0             | 343.0              | 354.0              | 98.0                   | 1.0                      | 1.0                        |
| Terminal Cusco                      | Diesel B5 S-50 | 19/07/2012        | 60.0                                | 4.80                      | 21                       | 2.826                                  | 54.2                                     | 168.0              | 197.0             | 211.0              | 234.5              | 278.0              | 332.0             | 344.5              | 354.5              | 98.5                   | 1.0                      | 0.5                        |
| Terminal Cusco                      | Diesel B5 S-50 | 24/08/2012        | 65.0                                | 5.0                       | 29                       | 2.715                                  | 48.7                                     | 174.0              | 198.5             | 210.5              | 225.0              | 265.0              | 325.5             | 338.5              | 352.5              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Cusco                      | Diesel B5 S-50 | 19/09/2012        | 67.0                                | 5.0                       | <20                      | 2.727                                  | 47.0                                     | 176.5              | 201.0             | 211.0              | 226.5              | 268.0              | 329.0             | 342.5              | 355.0              | 98.5                   | 1.4                      | 0.1                        |
| Terminal Cusco                      | Diesel B5 S-50 | 13/11/2012        | 57.5                                | 5.6                       | <20                      | 2.366                                  | 48.4                                     | 165.5              | 183.5             | 192.0              | 207.0              | 258.0              | 326.5             | 339.5              | 351.0              | 98.5                   | 1.2                      | 0.3                        |
| Terminal Eten                       | Diesel B5      | 10/02/2012        | 57.0                                | 4.9                       | 3640                     | 3.569                                  |  | 154.0              | 180.5             | 204.0              | 246.0              | 299.0              | 353.0             | 369.5              | 380.5              | 98.0                   | 1.2                      | 0.8                        |
| Terminal Eten                       | Diesel B5      | 16/05/2012        | 55.50                               | 6.60                      | 1980                     | 3.406                                  | 50.8                                     | 158.5              | 180.5             | 196.0              | 228.5              | 290.0              | 353.5             | 376.0              | 388.5              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Eten                       | Diesel B5      | 11/08/2012        | 54.0                                | 4.50                      | 2980                     | 2.827                                  | 53.2                                     | 154.5              | 176.0             | 185.5              | 209.0              | 280.5              | 348.5             | 366.5              | 377.5              | 97.0                   | 1.5                      | 1.5                        |
| Terminal Eten                       | Diesel B5      | 04/10/2012        | 55.5                                | 4.60                      | 4110                     | 3.396                                  | 52.5                                     | 154.0              | 177.5             | 193.0              | 229.5              | 297.0              | 354.5             | 370.0              | 380.5              | 98.5                   | 1.4                      | 0.1                        |
| Terminal Eten                       | Diesel B5      | 19/11/2012        | 59.0                                | 4.9                       | 3520                     | 3.711                                  | 51.8                                     | 157.5              | 186.5             | 211.0              | 252.0              | 300.0              | 355.5             | 371.5              | 380.5              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Ilo                        | Diesel B5      | 25/02/2012        | 59.0                                | 5.7                       | 1140                     | 2.354                                  |  | 169.5              | 184.5             | 191.5              | 206.0              | 259.5              | 336.5             | 357.5              | 366.0              | 98.5                   | 1.0                      | 0.5                        |
| Terminal Ilo                        | Diesel B5      | 21/05/2012        | 57.0                                | 6.20                      | 2040                     | 3.192                                  | 50.1                                     | 158.0              | 181.5             | 195.0              | 220.5              | 283.0              | 354.5             | 378.0              | 386.5              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Ilo                        | Diesel B5      | 21/08/2012        | 58.0                                | 4.6                       | 3830                     | 3.858                                  | 50.7                                     | 159.5              | 188.5             | 213.0              | 253.0              | 299.5              | 356.5             | 373.0              | 382.0              | 98.5                   | 1.0                      | 0.5                        |
| Terminal Ilo                        | Diesel B5      | 24/09/2012        | 56.0                                | 4.5                       | 3510                     | 3.713                                  | 51.4                                     | 153.5              | 182.0             | 205.0              | 248.0              | 298.5              | 356.0             | 373.5              | 382.0              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Ilo                        | Diesel B5      | 15/11/2012        | 54.0                                | 5.5                       | 2260                     | 3.557                                  | 51.8                                     | 153.5              | 175.5             | 194.0              | 234.0              | 292.5              | 353.5             | 373.0              | 386.5              | 98.5                   | 1.3                      | 0.2                        |
| Terminal Juliaca                    | Diesel B5      | 27/02/2012        | 58.0                                | 5.2                       | 1730                     | 2.732                                  |  | 169.0              | 183.5             | 192.5              | 217.0              | 274.0              | 345.5             | 369.5              | 376.5              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Juliaca                    | Diesel B5      | 23/05/2012        | 60.0                                | 4.60                      | 2250                     | 3.355                                  | 50.9                                     | 159.5              | 187.5             | 206.0              | 237.5              | 288.5              | 350.0             | 369.0              | 379.5              | 98.5                   | 1.3                      | 0.2                        |
| Terminal Juliaca                    | Diesel B5 S-50 | 18/07/2012        | 61.0                                | 4.80                      | 24.0                     | 2.682                                  | 51.5                                     | 170.0              | 196.0             | 208.0              | 229.0              | 269.0              | 331.0             | 344.0              | 356.5              | 98.5                   | 1.0                      | 0.5                        |
| Terminal Juliaca                    | Diesel B5 S-50 | 18/07/2012        | 63.0                                | 5.00                      | 18.0                     | 2.711                                  | 49.9                                     | 173.5              | 198.5             | 210.0              | 228.5              | 270.0              | 328.5             | 341.5              | 353.5              | 98.5                   | 1.2                      | 0.3                        |
| Terminal Juliaca                    | Diesel B5 S-50 | 23/08/2012        | 65.0                                | 5.2                       | 26                       | 2.661                                  | 49.1                                     | 173.0              | 200.0             | 211.0              | 226.0              | 267.0              | 329.0             | 343.5              | 354.0              | 98.0                   | 1.5                      | 0.5                        |

| Refinería/ Terminal/Planta de Venta | PRODUCTO       | Fecha de muestreo | Punto de Inflamación ASTM D 93 (°C) | Biodiesel EN 14078 (%Vol) | Azufre ASTM D 4294 (ppm) | Viscosidad Cinemática ASTM D 445 (cSt) | Índice de Cetano ASTM D 976/ ASTM D 4737 | Destilación        |                   |                    |                    |                    |                   |                    |                    |                        |                          |                            |
|-------------------------------------|----------------|-------------------|-------------------------------------|---------------------------|--------------------------|--|--|--------------------|-------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|------------------------|--------------------------|----------------------------|
|                                     |                |                   |                                     |                           |                          |  |  | ASTM D 86 (PIE) °C | ASTM D 86 (5%) °C | ASTM D 86 (10%) °C | ASTM D 86 (20%) °C | ASTM D 86 (50%) °C | ASTM D 86 (90%)°C | ASTM D 86 (95%) °C | ASTM D 86 (PFE) °C | ASTM D 86 (RECUP) %Vol | ASTM D 86 (RESIDUO) %Vol | ASTM D 86 (PERDIDAS) % Vol |
| Terminal Juliaca                    | Diesel B5 S-50 | 21/09/2012        | 66.0                                | 4.9                       | <20                      | 2.691                                  | 47.7                                     | 177.5              | 202.5             | 213.5              | 230.0              | 267.5              | 326.0             | 340.0              | 353.0              | 98.5                   | 1.4                      | 0.1                        |
| Terminal Juliaca                    | Diesel B5 S-50 | 13/11/2012        | 60.0                                | 5.9                       | 22                       | 2.579                                  | 48.2                                     | 168.0              | 187.5             | 198.5              | 215.0              | 267.0              | 329.0             | 341.5              | 354.0              | 98.5                   | 1.0                      | 0.5                        |
| Terminal Mollendo                   | Diesel B5      | 25/02/2012        | 58.0                                | 5.0                       | 3200                     | 3.360                                  |  | 150.0              | 184.0             | 202.0              | 232.0              | 293.0              | 357.0             | 389.0              | 384.0              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Mollendo                   | Diesel B5      | 21/05/2012        | 61.0                                | 4.40                      | 1540                     | 3.371                                  | 50.6                                     | 161.0              | 191.0             | 209.0              | 236.5              | 286.0              | 347.0             | 367.5              | 380.0              | 98.5                   | 1.4                      | 0.1                        |
| Terminal Mollendo                   | Diesel B5 S-50 | 17/07/2012        | 56.0                                | 5.00                      | 18                       | 2.519                                  | 56.1                                     | 160.0              | 187.0             | 198.0              | 216.5              | 270.0              | 331.5             | 343.5              | 353.0              | 98.0                   | 1.0                      | 1.0                        |
| Terminal Mollendo                   | Diesel B5 S-50 | 17/07/2012        | 56.0                                | 4.90                      | 19                       | 2.51                                   | 56.3                                     | 162.0              | 184.5             | 196.0              | 216.0              | 271.0              | 330.5             | 343.5              | 352.0              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Mollendo                   | Diesel B5 S-50 | 22/08/2012        | 68.0                                | 5.1                       | <17                      | 2.693                                  | 47.7                                     | 179.5              | 203.5             | 215.5              | 230.0              | 265.5              | 325.0             | 339.0              | 354.5              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Mollendo                   | Diesel B5 S-50 | 24/09/2012        | 66.0                                | 4.4                       | <20                      | 3.053                                  | 47.5                                     | 176.0              | 200.5             | 214.0              | 233.5              | 278.5              | 331.0             | 342.0              | 352.5              | 98.5                   | 1.3                      | 0.2                        |
| Terminal Mollendo                   | Diesel B5 S-50 | 14/11/2012        | 68.0                                | 5.3                       | <20                      | 2.588                                  | 48.2                                     | 179.0              | 201.0             | 212.0              | 226.0              | 267.0              | 320.0             | 330.0              | 342.5              | 98.5                   | 1.3                      | 0.2                        |
| Terminal Pisco                      | Diesel B5      | 23/02/2012        | 61.0                                | 4.8                       | 3820                     | 3.660                                  |  | 156.5              | 189.5             | 212.0              | 254.5              | 300.0              | 361.0             | 382.5              | 385.5              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Pisco                      | Diesel B5      | 15/05/2012        | 58.5                                | 4.60                      | 2400                     | 3.248                                  | 51.2                                     | 155.0              | 183.5             | 199.0              | 226.0              | 286.5              | 355.0             | 378.5              | 384.5              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Pisco                      | Diesel B5      | 05/06/2012        | 57.00                               | 4.60                      |                          | 2.754                                  |  | 158.5              | 182.5             | 199.0              | 233.5              | 293.5              | 356.0             | 376.0              | 382.5              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Pisco                      | Diesel B5      | 25/08/2012        | 57.0                                | 5.0                       | 2510                     | 3.187                                  | 50.8                                     | 161.5              | 184.0             | 199.0              | 226.0              | 285.0              | 349.0             | 367.5              | 380.5              | 98.5                   | 1.0                      | 0.5                        |
| Terminal Pisco                      | Diesel B5      | 16/11/2012        | 59.0                                | 5.0                       | 3780                     | 3.921                                  | 51.3                                     | 155.0              | 188.0             | 218.0              | 258.0              | 301.0              | 355.5             | 370.5              | 382.0              | 98.5                   | 1.3                      | 0.2                        |
| Terminal Salaverry                  | Diesel B5      | 09/02/2012        | 56.0                                | 5.0                       | 2580                     | 3.552                                  |  | 155.5              | 185.5             | 205.0              | 242.5              | 294.5              | 354.0             | 374.5              | 385.0              | 98.0                   | 1.2                      | 0.8                        |
| Terminal Salaverry                  | Diesel B5      | 15/05/2012        | 55.50                               | 4.60                      | 1830                     | 3.429                                  | 51.7                                     | 160.5              | 178.5             | 193.0              | 226.5              | 288.0              | 356.5             | 379.5              | 390.5              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Salaverry                  | Diesel B5      | 10/08/2012        | 66.0                                | 5.00                      | 980                      | 3.348                                  | 48.4                                     | 168.0              | 200.0             | 216.5              | 239.0              | 286.5              | 342.0             | 360.5              | 368.0              | 98.0                   | 1.4                      | 0.6                        |
| Terminal Salaverry                  | Diesel B5      | 03/10/2012        | 63.5                                | 5.1                       | 1060                     | 3.429                                  | 48.8                                     | 170.0              | 198.5             | 216.0              | 240.5              | 288.5              | 342.5             | 357.0              | 374.0              | 99.0                   | 0.8                      | 0.2                        |
| Terminal Salaverry                  | Diesel B5      | 17/11/2012        | 54.0                                | 5.4                       | 2080                     | 3.333                                  | 51.9                                     | 153.0              | 177.5             | 192.5              | 227.0              | 290.5              | 354.0             | 374.5              | 384.5              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Supe                       | Diesel B5      | 08/02/2012        | 58.0                                | 5.2                       | 2610                     | 2.995                                  |  | 163.0              | 183.0             | 197.0              | 223.0              | 285.5              | 352.5             | 374.0              | 379.0              | 98.0                   | 1.0                      | 1.0                        |
| Terminal Supe                       | Diesel B5      | 14/05/2012        | 54.00                               | 4.60                      | 2970                     | 3.111                                  | 52.5                                     | 153.0              | 170.5             | 187.5              | 222.5              | 292.0              | 355.5             | 374.0              | 380.5              | 98.0                   | 1.5                      | 0.5                        |
| Terminal Supe                       | Diesel B5      | 18/07/2012        | 56.0                                | 6.00                      | 2480                     | 3.793                                  | 52.6                                     | 146.0              | 178.5             | 209.0              | 255.5              | 297.5              | 354.0             | 375.0              | 386.0              | 98.5                   | 1.4                      | 0.1                        |
| Terminal Supe                       | Diesel B5      | 18/07/2012        | 56.0                                | 5.30                      | 2350                     | 3.455                                  | 52.3                                     | 153.0              | 179.5             | 199.5              | 236.0              | 292.5              | 351.0             | 370.5              | 381.5              | 98.5                   | 1.4                      | 0.1                        |
| Terminal Supe                       | Diesel B5      | 09/08/2012        | 57.0                                | 4.60                      | 2590                     | 3.032                                  | 51.1                                     | 161.0              | 184.0             | 197.0              | 224.5              | 283.0              | 345.5             | 363.0              | 375.5              | 97.0                   | 1.5                      | 1.5                        |
| Terminal Supe                       | Diesel B5      | 02/10/2012        | 56.5                                | 4.70                      | 3550                     | 3.461                                  | 51.2                                     | 155.0              | 179.0             | 198.5              | 240.5              | 295.5              | 352.5             | 367.5              | 378.5              | 98.5                   | 1.0                      | 0.5                        |
| Terminal Supe                       | Diesel B5      | 15/11/2012        | 60.0                                | 4.9                       | 3830                     | 3.905                                  | 52.0                                     | 157.0              | 185.0             | 210.5              | 253.5              | 300.5              | 355.5             | 371.5              | 380.5              | 98.0                   | 1.5                      | 0.5                        |