

RESULTADOS DE LOS ENSAYOS REALIZADOS AL DIESEL DE LAS REFINERÍAS Y PLANTAS - 2011

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 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 Conchan	Diesel 2	11/01/2011	62.50		2070	2.312	48.8	170.00	190.50	199.00	213.00	260.50	324.00	343.50	358.50	98.00	1.40	0.60
Planta de Ventas Conchan	Diesel 2 S-50	11/01/2011	58.50		20	2.038	48.1	164.50	181.50	187.00	199.50	243.00	315.00	333.00	347.00	98.00	1.40	0.60
Planta de Ventas Conchan	Diesel B5	11/01/2011	62.50	4.80	1960	2.535	49.60	170.50	190.50	198.50	214.00	264.50	328.50	345.00	357.00	98.00	1.40	0.60
Planta de Ventas Conchan	Diesel B5 S-50	11/01/2011	58.50	4.20	24	2.082	48.60	165.00	182.50	188.50	200.50	247.50	321.00	336.50	347.00	98.00	1.40	0.60
Planta de Ventas Conchan	Diesel B5	15/03/2011	53.5	5.30	2690	1.987	50.0	161.0	174.5	180.5	190.0	233.5	341.0	365.0	377.0	98.0	1.5	0.5
Planta de Ventas Conchan	Diesel 2 S-50	15/03/2011	56.50		29.0	1.994	50.7	164.5	177.5	183.0	194.0	240.0	313.0	328.5	343.5	98.5	1.4	0.1
Planta de Ventas Conchan	Diesel 2	23/06/2011	56.5		2270	2.378	50.2	164.5	182.0	190.5	206.0	258.0	333.5	354.5	369.0	98.5	1.3	0.2
Planta de Ventas Conchan	Diesel 2 S-50	23/06/2011	55.5		25	2.062	49.3	164.0	177.5	184.0	196.0	240.0	320.5	339.0	352.0	98.5	1.4	0.1
Planta de Ventas Conchan	Diesel B5	23/06/2011	63.5		1860			169.5	196.5	211.0	231.5	279.0	334.5	350.0	365.0	98.5	1.4	0.1
Planta de Ventas Conchan	Diesel B5 S-50	23/06/2011	58.5		20			164.0	178.0	184.0	196.5	245.5	323.0	336.5	350.5	99.0	0.9	0.1
Planta de Ventas Conchan	Diesel 2 S-50	22/09/2011	59.5		<17	2.072	48.6	164.5	180.5	188.5	200.5	242.5	316	336	350.5	98.5	1.3	0.2
Planta de Ventas Conchan	Diesel B5	22/09/2011	54.5		2580			163.5	177	184.5	198.5	251.5	337	357.5	368	99	0.9	0.1
Planta de Ventas Conchan	Diesel B5 S-50	22/09/2011	59.5		24			167.5	182	191	204.5	249.5	322.5	337	347.5	98.5	1.4	0.1
Planta de Ventas Conchan	Diesel B5	15/11/2011	57.5															
Planta de Ventas Conchan	Diesel B5 S-50	15/11/2011	50.5		37			161.5	176.5	183.5	195.5	239.5	319.5	337	349	98	1.5	0.5
Planta de Ventas Conchan	Diesel 2	15/11/2011	57.5			3.023	46.7	150	194	219	241.5	278	329	341.5	349.5	98	1.4	0.6
Planta de Ventas Conchan	Diesel 2 S-50	15/11/2011	57.5		31	1.938	49.2	163	178.5	185	195.5	235.5	313	334.5	346.5	98	1.4	0.6
Planta de Ventas El Milagro	Diesel B5	21/01/2011	57.50	7.70	1680	3.912	52.30	158.5	188.5	219.5	255.0	299.0	353.5	374.5	381.5	98.0	1.50	0.30
Planta de Ventas El Milagro	Diesel B5	22/06/2011	59.5		1740			161.0	192.5	217.5	250.5	294.5	354.5	378.0	386.0	98.5	1.4	0.1
Planta de Ventas El Milagro	Diesel B5	24/09/2011	61.5		1620			166	196.5	212.5	245.5	296	357.5	382.5	391.5	98.5	1.3	0.2
Planta de Ventas El Milagro	Diesel B5	09/11/2011	59.5		1560													
Planta de Ventas EMCOPE SAC	Diesel B5	10/01/2011	65.50	4.40	3360	3.911	47.80	166.00	200.00	226.00	256.50	294.00	353.00	370.50	378.50	98.00	1.50	0.50
Planta de Ventas EMCOPE SAC	Diesel B5 S-50	10/01/2011	67.50	4.90	22	2.557	47.4	175.50	196.50	205.50	221.00	264.50	325.50	338.50	348.00	98.00	1.40	0.60
Planta de Ventas EMCOPE SAC	Diesel B5	24/03/2011	55.5	4.60	5230	3.088	52.9	151.0	175.0	188.5	216.5	289.5	351.5	369.0	382.0	98.5	1.3	0.2
Planta de Ventas EMCOPE SAC	Diesel B5	10/06/2011	56.5		5000			152.0	179.0	204.0	255.5	302.5	356.0	371.0	381.0	98.5	1.3	0.2
Planta de Ventas EMCOPE SAC	Diesel B5	28/09/2011	58.5		4020			159.5	183	200	233.5	293.5	351.5	368	378	98.5	1.4	0.1
Planta de Ventas EMCOPE SAC	Diesel B5 S-50	28/09/2011	63.5		52			170.5	194	204.5	222.5	269	327	340.5	351.5	98.5	1.3	0.2
Planta de Ventas EMCOPE SAC	Diesel B5	23/11/2011	56.5		2000													
Planta de Ventas Herco	Diesel B5 S-50	23/06/2011	54.5		23.0			165.0	181.0	187.0	199.0	248.0	324.0	337.5	348.5	98.5	1.4	0.1
Planta de Ventas Herco	Diesel B5 S-50	21/11/2011	63.5					172.5	199	210.5	226	269.5	328	343	353	98	1.4	0.6
Planta de Ventas Herco	Diesel B5 S-50	09/03/2011	68.5	4.90	25	3.022	47.0	178.0	198.0	205.0	221.0	263.0	325.5	339.0	347.5	98.0	1.5	0.5
Planta de Ventas Herco	Diesel B5 S-50	08/09/2011	64.5		35													
Planta de Ventas Iquitos	Diesel B5	16/06/2011	53.5		1250			153.5	183.0	209.0	254.5	300.5	349.5	363.0	373.5	98.5	1.4	0.1
Planta de Ventas Iquitos	Diesel B5	09/09/2011	55.5		1200			160.5	191	216.5	251	295.5	339	350.5	363	99	0.9	0.1
Planta de Ventas Iquitos	Diesel B5	16/11/2011	56.5															
Planta de Ventas MAPLE	Diesel B5	19/11/2011	55.5															
Planta de Ventas MAPLE	Diesel B5	27/01/2011	58.50	5.50	1110	2.62	60.40	169.5	191.5	202.5	218.0	263.0	346.0	367.5	379.0	98.5	1.50	0.00
Planta de Ventas MAPLE	Diesel B5	19/03/2011	55.5	4.20	1060	2.574	59.9	161.5	184.5	194.5	209.5	256.0	353.5	376.5	390.5	98.5	1.3	0.2
Planta de Ventas MAPLE	Diesel B5	17/06/2011	57.5		761.0			167.0	187.5	196.0	207.5	244.0	336.0	362.0	375.5	98.0	1.5	0.5
Planta de Ventas MAPLE	Diesel B5	16/09/2011	57.5	4.8	1060			164	186	196.5	211	256	352.5	376.5	393.5	98	1.5	0.5
Planta de Ventas Pasco	Diesel B5	17/03/2011	55.5	4.70	2200	2.129	49.8	161.0	180.0	186.0	198.5	243.5	330.0	350.5	369.5	98.5	1.3	0.2
Planta de Ventas Pasco	Diesel B5	21/06/2011	55.5		2140			161.5	177.5	184.5	198.0	255.5	335.5	352.5	367.5	98.5	1.4	0.1
Planta de Ventas Pasco	Diesel B5	19/09/2011	56.5		2360			160.5	180.5	189.5	206.5	263.5	336	353.5	366.5	98.5	1.3	0.2

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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 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 Pasco	Diesel B5	18/11/2011	54.5																
Planta de Ventas Piura	Diesel B5	18/01/2011	59.50	5.00	2030	4.077	51.20	159.0	197.5	229.5	263.5	297.5	352.0	374.0	382.0	98.0	1.5	0.50	
Planta de Ventas Piura	Diesel B5	18/06/2011	56.5		2020			158.0	190.0	214.0	250.5	295.0	352.5	371.5	385.5	98.5	1.2	0.3	
Planta de Ventas Piura	Diesel B5	19/09/2011	59.5		1700			162.5	186.5	204.5	235	292	356	379.5	387.5	98	1.6	0.4	
Planta de Ventas Piura	Diesel B5	11/11/2011	54.5		1280														
Planta de Ventas Pucallpa	Diesel B5	28/01/2011	56.50	3.60	1720	2.751	53.10	161.5	181.0	191.5	211.5	275.5	338.0	354.5	364.5	98.0	1.40	0.60	
Planta de Ventas Pucallpa	Diesel B5	17/06/2011	57.5		1330.0			161.0	185.0	200.5	228.5	286.5	344.0	359.5	370.5	98.5	1.4	0.1	
Planta de Ventas Pucallpa	Diesel B5	15/09/2011	57.5		1490			159.5	186.5	203	233.5	291.5	341.5	357.5	369.5	99	0.7	0.3	
Planta de Ventas Pure Biofuels	Diesel 2 S-50	10/01/2011	67.50		22	2.491		178.50	195.50	203.50	218.50	259.00	321.50	337.00	349.50	98.50	1.40	0.10	
Planta de Ventas Pure Biofuels	Diesel 2 S-50	24/03/2011	67.5		23	2.472	46.3	174.0	196.5	204.0	218.5	258.0	320.0	336.5	351.5	99.0	0.9	0.1	
Planta de Ventas Pure Biofuels	Diesel 2 S-50	09/06/2011	67.50		25	2.478	46.1	176.5	195.5	203.5	218.0	257.5	320.0	335.0	347.0	98.5	1.3	0.2	
Planta de Ventas Pure Biofuels	Diesel B5 S-50	10/01/2011 (supl. 21/01/2011)	68.50	5.20	20	2.581	47.00	178.00	195.50	205.00	221.50	263.50	326.00	339.50	349.00	98.00	1.40	0.60	
Planta de Ventas Pure Biofuels	Diesel B5 S-50	24/03/2011	63.5	4.70	20	2.621	49.4	165.0	190.0	203.0	221.0	267.5	323.5	336.0	349.0	99.0	0.8	0.2	
Planta de Ventas Pure Biofuels	Diesel B5 S-50	09/06/2011	59.50		30			166.5	183.0	191.5	206.5	259.0	325.0	336.5	347.5	98.5	1.4	0.1	
Planta de Ventas Pure Biofuels	Diesel B5 S-50	28/09/2011	59.5		62			167.5	184.5	192	207	256.5	326.5	340	352.5	98.5	1.4	0.1	
Planta de Ventas Pure Biofuels	Diesel 2 S-50	28/09/2011	63.5			2.649	50	172.5	197	208	222.5	264	322.5	339	353	98.5	1.4	0.1	
Planta de Ventas Pure Biofuels	Diesel B5 S-50	23/11/2011	62.5		26			173.5	197.5	209.5	225	269.5	328.5	344	351.5	98	1.4	0.6	
Planta de Ventas Pure Biofuels	Diesel 2 S-50	23/11/2011	62.5		22	2.645	50.2	175	197	208	223.5	265	324.5	343	354	98	1.4	0.6	
Planta de Ventas Talara	Diesel B5	20/01/2011	59.50	6.90	1950	4.003	51.50	164.0	201.5	231.0	261.5	298.0	351.0	373.0	381.5	98.5	1.40	0.10	
Planta de Ventas Talara	Diesel B5	16/03/2011	57.5	4.2	2120	3.749	51.7	160.5	188.0	209.0	245.5	295.5	352.5	373.5	382.5	98.0	1.5	0.5	
Planta de Ventas Talara	Diesel B5	17/06/2011	58.5		1870			163.0	192.0	213.0	252.0	293.5	354.0	380.0	388.5	98.5	1.2	0.3	
Planta de Ventas Talara	Diesel B5	20/09/2011	61.5		1660			163	193.5	213	245.5	295	353	373.5	386	98.5	1.4	0.1	
Planta de Ventas Talara	Diesel B5	10/11/2011	54.5		1290														
Planta de Ventas Tarapoto	Diesel B5	22/01/2011	62.50	5.50	2030	4.012	51.40	160.5	199.0	229.0	262.5	297.5	352.0	375.0	382.5	98.5	1.4	0.10	
Planta de Ventas Tarapoto	Diesel B5	23/06/2011	59.5		1920			157.0	190.0	215.5	251.5	294.0	355.0	382.0	387.5	98.0	1.1	0.9	
Planta de Ventas Tarapoto	Diesel B5	23/09/2011	60.5		1650			165	193.5	209.5	238.5	294	359.5	383	390	98.5	1.4	0.1	
Planta de Ventas Tarapoto	Diesel B5	08/11/2011	54.5		1280														
Planta de Ventas Yurimaguas	Diesel B5	22/01/2011	57.50	3.00	1180	4.077	52.60	163.0	198.0	226.0	259.5	300.5	344.5	357.5	364.5	98.0	1.4	0.60	
Planta de Ventas Yurimaguas	Diesel B5	23/06/2011	60.5		1570			160.0	188.5	217.5	248.0	299.0	350.5	366.5	376.0	98.5	1.3	0.2	
Planta de Ventas Yurimaguas	Diesel B5	22/09/2011	54.5		1290			157	187	205	248.5	398.5	346.5	362.5	372	98.5	0.8	0.7	
Planta de Ventas Yurimaguas	Diesel B5	07/11/2011	54.5		1250														
Refinería Conchan	Diesel 2 S-50	12/01/2011	59.50		22	2.102	48.00	166.5	182.5	188.5	200.5	244.5	316.0	334.0	347.5	98.5	1.4	0.10	
Refinería Conchan	Diesel 2 S-50	22/09/2011	59.5		<17	2.066	48.8	164.5	181.5	189	201	242.5	316.5	338	351.5	98.5	1.2	0.3	
Refinería El Milagro	Diesel 2	22/01/2011	56.50		1760	3.937	52.00	157.0	191.5	218.5	252.0	296.5	356.0	376.5	383.5	98.5	1.50	0.00	
Refinería El Milagro	Diesel 2	20/03/2011	53.0		1290	3.542	52.4	149.5	179.0	198.0	230.5	286.5	356.0	371.5	380.5	98.0	1.5	0.5	
Refinería El Milagro	Diesel 2	09/11/2011	53.5		1580	4.104	52.2	149.5	184.5	208	244.5	297.5	356.5	372.5	382.5	98	1.2	0.8	
Refinería Iquitos	Diesel 2	11/03/2011	51.5		1300	3.734	54.1	148.5	172.0	191.0	231.0	298.0	357.0	373.5	381.5	98.5	1.2	0.3	
Refinería Iquitos	Diesel 2	10/09/2011	58.5		1300	4.016	49.6	157.5	187.5	212	248	290.5	348	365	372.5	98.5	1.2	0.3	
Refinería Iquitos	Diesel B5	10/09/2011	67.5		1220			172.5	205	228	255	296	341.5	355	363	98	1.4	0.6	
Refinería Iquitos	Diesel 2	16/11/2011	56.5			3.986	52.7	145	179.5	207	254	297.5	347	361	368	98	1.5	0.5	
Refinería Iquitos	Diesel B5	16/11/2011	56.5																
Refinería La Pampilla	Diesel B5 S-50	11/01/2011	60.50	4.80	31	2.747	51.9	168.50	196.50	209.50	230.00	276.00	328.50	340.50	350.50	98.00	1.40	0.60	
Refinería La Pampilla	Diesel B5	11/01/2011	64.50	4.60	3230	3.774	54.8	163.50	200.00	225.50	255.50	292.50	350.50	367.00	377.50	98.00	1.50	0.50	

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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 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
Refinería La Pampilla	Diesel B5 S-50	28/03/2011	59.5	4.80	17	2.621	51.3	169.5	191.5	203.5	222.5	271.0	324.5	336.0	348.0	98.5	1.0	0.5
Refinería La Pampilla	Diesel B5	28/03/2011	56.5	4.50	4380	3.087	52.6	154.5	175.5	188.5	220.5	291.5	354.0	369.0	380.5	98.5	1.4	0.1
Refinería La Pampilla	Diesel B5	08/06/2011	54.50		5000			149.5	176.0	200.0	253.5	302.0	358.5	377.5	381.5	98.0	1.2	0.8
Refinería La Pampilla	Diesel B5 S-50	08/06/2011	57.50		28			163.5	180.0	187.5	202.5	257.5	325.5	338.5	351.5	98.5	1.3	0.2
Refinería La Pampilla	Diesel B5	29/09/2011	57.5		4120			156.5	182.5	199.5	235.5	294	353.5	372	382.5	98.5	1.4	0.1
Refinería La Pampilla	Diesel B5 S-50	29/09/2011	62.5		53			170	185	192	207.5	259	322.5	335.5	345.5	98.4	1.4	0.1
Refinería La Pampilla	Diesel B5	22/11/2011	55.5		1930													
Refinería La Pampilla	Diesel B5 S-50	22/11/2011	56.5		27			163.5	178	184	196	241	321.5	337	346	98	1.4	0.6
Refinería MAPLE	Diesel B5	18/03/2011	55.5	4.40	887	2.443	60.3	163.0	184.0	192.0	208.5	254.5	355.0	380.0	393.0	98.5	1.3	0.2
Refinería MAPLE	Diesel B5	16/09/2011	58.5	4	1460			167.5	186.5	197	214.5	272	361	383.5	393	98	1.5	0.5
Refinería Talara	Diesel B5	19/01/2011	60.50	5.10	2080	4.002	52.10	162.5	198.5	230.0	263.0	297.0	350.5	372.0	380.5	98.0	1.50	0.50
Refinería Talara	Diesel B5	20/06/2011	60.5		2000			159.0	196.0	220.5	255.5	295.5	354.0	375.5	386.0	98.5	1.3	0.2
Refinería Talara	Diesel B5	10/11/2011	55.5		1270													
Terminal Callao	Diesel 2 S-50	24/06/2011	66.5		20	3.318	48.0	177.5	204.0	217.5	236.5	279.5	333.0	346.5	358.5	98.5	1.4	0.1
Terminal Callao	Diesel 2 S-50	10/01/2011	55.50		20	2.727	49.80	163.0	168.5	201.5	220.5	268.5	322.0	338.0	350.0	98.0	1.4	0.60
Terminal Callao	Diesel B5 S-50	10/01/2011 (supl. 21/01/2011)	58.50	5.40	24	2.794	50.40	164.00	189.50	203.50	223.50	274.00	324.50	336.50	348.00	98.50	1.40	0.10
Terminal Callao	Diesel B5 S-50	14/03/2011	58.5	4.90	26	2.491	46.5	162.0	186.0	199.0	219.5	266.5	324.0	336.0	346.5	98.5	1.4	0.1
Terminal Callao	Diesel B5 S-50	24/06/2011	63.5		22			178.5	205.0	219.5	240.0	283.5	334.0	347.0	356.5	98.5	1.3	0.2
Terminal Callao	Diesel B5 S-50	12/09/2011	65.5		33			179	204.5	216.5	323.5	274.5	336.5	351.5	358.5	98.5	1.1	0.4
Terminal Callao	Diesel 2 S-50	12/09/2011	65.5		35	2.922	49.2	177	202.5	215.5	231.5	270.5	334	352.5	363	98	1.4	0.6
Terminal Callao	Diesel B5	10/01/2011 (supl. 21/01/2011)	53.50	2.18	1970	2.801	51.50	162.0	182.0	190.5	208.5	266.5	343.0	367.0	378.0	98.0	1.5	0.50
Terminal Callao	Diesel B5 S-50	10/01/2011 (supl. 21/01/2011)	64.00	2.12	25	2.494	46.70	172.00	192.00	202.50	216.50	260.00	323.00	338.50	351.50	98.50	1.40	0.10
Terminal Callao	Diesel B5	14/03/2011	58.5	10.40	1930	3.135	52.8	162.0	184.5	198.0	227.0	291.0	346.0	367.0	374.0	98.0	1.5	0.5
Terminal Callao	Diesel B5 S-50	14/03/2011	57.5	5.00	70	2.251	51.5	165.5	182.0	188.5	204.0	258.0	323.0	335.5	347.5	98.5	1.4	0.1
Terminal Callao	Diesel B5	24/06/2011	55.5		1860			160.5	193.0	215.5	248.5	294.5	354.0	375.5	385.5	98.5	1.3	0.2
Terminal Callao	Diesel B5 S-50	24/06/2011	57.5		32			164.0	179.0	186.0	199.0	250.5	320.0	332.5	344.0	98.5	1.4	0.1
Terminal Callao	Diesel B5	12/09/2011	56.5		2140			164.5	179.5	188	204.5	262.5	339.5	364.5	371	98.5	0.7	0.8
Terminal Callao	Diesel B5 S-50	12/09/2011	57.5		44			164	178.5	186	201.5	252.5	323.5	338.5	347	98	1.1	0.9
Terminal Callao	Diesel B5	23/11/2011	52.5															
Terminal Callao	Diesel B5 S-50	26/11/2011	56.5					162.5	178	185	196	238.5	319	334.5	346.5	98.5	1.4	0.1
Terminal Chimbote	Diesel B5	13/01/2011 (supl. 21/01/2011)	61.50	3.00	2820	3.881	49.10	162.5	195.0	221.0	257.0	294.0	353.5	374.0	382.5	98.0	1.50	0.50
Terminal Chimbote	Diesel B5	14/03/2011	61.5	4.5	4630	3.467	52.0	161.5	183.0	201.0	237.5	295.5	355.0	373.0	382.5	98.0	1.5	0.5
Terminal Chimbote	Diesel B5	14/06/2011	53.5		2290			153.5	181.5	206.5	244.0	295.0	351.5	371.5	381.5	98.5	1.3	0.2
Terminal Chimbote	Diesel B5	27/09/2011	55.5		2630			162.5	179	187.5	203.5	258.5	340.5	361	372.5	98	1.7	0.3
Terminal Chimbote	Diesel B5	15/11/2011	57.5		2310													
Terminal Cusco	Diesel B5	17/01/2011	58.50	2.11	2030	3.179	50.50	162.0	188.0	203.0	231.0	282.5	345.5	366.5	379.5	98.5	1.40	0.10
Terminal Cusco	Diesel B5	21/03/2011	59.5	4.50	4110	3.202	52.7	161.0	181.5	197.0	227.0	290.5	353.0	371.0	380.5	98.0	1.5	0.5
Terminal Cusco	Diesel B5	28/06/2011	60.0		2810			158.0	188.0	207.0	244.0	291.5	350.0	371.0	381.0	98.5	1.4	0.1

