NIT: 900346136-3
Tel: +57 (5) 3769038
Cel: +57 311 6454165
E-mail: qbsaux4@qualitybunkers.com

Malambo, 08 de julio de 2025

Señores
MINISTERIO DE MINAS Y ENERGIA
Dirección de Hidrocarburos
Calle 43 No. 57 – 31, CAN
Bogotá, Cundinamarca.

REF: Memoria descriptiva de la planta

Tanque	Producto	Capacidad (bls)
111	Crudos/ Residuales	4806,07
112	DIESEL MARINO	3129,00
113	Crudos/ Residuales	2013,26
114	Crudos/ Residuales	2117,07
115	Crudos/ Residuales	2107,69
116	BUNKER (mezcla de crudos y residuales)	3012,10
117	Crudos/ Residuales	2988,72
TOTAL, CAPACIDAD		20173,91

Tabla 1. Relación de tanques, capacidades y producto

Se detalla que la operación consiste en el proceso de crudos/destilados mediante un proceso de recirculación en el cual se busca la homogenización del producto cumpliendo con lo establecido en la norma ISO-8217.

Para ello se designarán 2 tanques de almacenamiento para diésel marino, crudos y residuales, para la producción de IFOS/BUNKER como producto final:

Tanque	Producto	Capacidad (bls)	Capacidad (gal)	Agente	Razón Social
112	DIESEL MARINO	3129	131.418,00	Distribuidor mayorista de quemadores	C.I. QUALITY BUNKERS SUPPLY S.A.S.
116	BUNKER (mezcla de crudos y residuales)	3012,1	126.508,20	Distribuidor mayorista de quemadores	C.I. QUALITY BUNKERS SUPPLY S.A.S.
TOTAL CAPACIDAD		**6141,1**	**257.926,20**		

El producto final tiene las características establecidas en la norma ISO-8217 indicadas en los cuadros anexos, adicionalmente se adjunta los contratos con las fuentes de suministro.

NIT: 900346136-3
Tel: +57 (5) 3769038
Cel: +57 311 6454165
E-mail: qbsaux4@qualitybunkers.com

ANEXO 1.

CARACTERÍSTIAS DE LOS PRODUCTOS A DISTRIBUIR

NIT: 900346136-3
Tel: +57 (5) 3769038
Cel: +57 311 6454165
E-mail: qbsaux4@qualitybunkers.com



ISO 8217 2017
FUEL STANDARD

ISO 8217 2017 Fuel Standard
for marine distillate fuels

REQUIREMENTS FOR MARINE DISTILLATE FUELS

Characteristic		Unit	Limit	Category ISO-F-							Test method(s) and reference
				DMX	DMA	DFA	DMZ	DFZ	DMB	DFB	
Kinematic viscosity at 40 °C		mm²/s [a]	Max	5,500	6,000		6,000		11,00		ISO 3104
			Min	1,400	2,000		3,000		2,000		
Density at 15 °C		kg/m³	Max	–	890,0		890,0		900,0		ISO 3675 or ISO 12185; see 6.1
Cetane index		–	Min	45	40		40		35		ISO 4264
Sulfur [b]		mass %	Max	1,00	1,00		1,00		1,50		ISO 8754 or ISO 14596, ASTM D4294; see 6.3
Flash point		°C	Min	43,0	60,0		60,0		60,0		ISO 2719; see 6.4
Hydrogen sulfide		mg/kg	Max	2,00	2,00		2,00		2,00		IP 570; see 6.5
Acid number		mg KOH/g	Max	0,5	0,5		0,5		0,5		ASTM D664; see 6.6
Total sediment by hot filtration		mass %	Max	–	–		–		0,10 [c]		ISO 10307-1; see 6.8
Oxidation stability		g/m³	Max	25	25		25		25 [d]		ISO 12205
Fatty acid methyl ester (FAME) [e]		volume %	Max	–	–	7,0	–	7,0	–	7,0	ASTM D7963 or IP 579; see 6.10
Carbon residue – Micro method on the 10 % volume distillation residue		mass %	Max	0,30	0,30		0,30		–		ISO 10370
Carbon residue – Micro method		mass %	Max	–	–		–		0,30		ISO 10370
Cloud point [f]	winter	°C	Max	–16	report		report		–		ISO 3015; see 6.11
	summer	°C	Max	–16	–		–		–		
Cold filter plugging point [f]	winter	°C	Max	–	report		report		–		IP 309 or IP 612; see 6.11
	summer	°C	Max	–	–		–		–		
Pour point (upper) [f]	winter	°C	Max	–	– 6		– 6		0		ISO 3016; see 6.11
	summer	°C	Max	–	0		0		6		
Appearance				Clear and Bright [g]					[h]		see 6.12
Water		volume %	Max	–	–		–		0,30 [c]		ISO 3733
Ash		mass %	Max	0,010	0,010		0,010		0,010		ISO 6245
Lubricity, corrected wear scar diameter (WSD) at 60 °C [h]		µm	Max	520	520		520		520 [d]		ISO 12156-1

a 1 mm²/s = 1 cSt.
b Notwithstanding the limits given, the purchaser shall define the maximum sulfur content in accordance with relevant statutory limitations. See Introduction.
c If the sample is not clear and bright, the total sediment by hot filtration and water tests shall be required, see 6.8 and 6.12.
d If the sample is not clear and bright, the test cannot be undertaken and therefore, compliance with this limit cannot be shown.
e See 5.1 and Annex A.
f Pour point cannot guarantee operability for all ships in all climates. The purchaser should confirm that the cold flow characteristics (pour point, cloud point, cold filter plugging point) are suitable for the ship's design and intended voyage. See 6.11.
g If the sample is dyed and not transparent, then the water limit and test method as given in 6.12 shall apply.
h This requirement is applicable to fuels with a sulfur content below 500 mg/kg (0,050 mass %).

Permission to reproduce extracts of standards has been granted by Standard Norge. No other use of this material is permitted. Full standards may be obtained from the Standard Norge online shop, found at: https://www.standard.no/en/webshop/

World Fuel Services

marine@wfscorp.com | wfscorp.com

NIT: 900346136-3
Tel: +57 (5) 3769038
Cel: +57 311 6454165
E-mail: qbsaux4@qualitybunkers.com



ISO 8217 2017
FUEL STANDARD

ISO 8217 2017 Fuel Standard
for marine residual fuels

REQUIREMENTS FOR MARINE RESIDUAL FUELS

Characteristic		Unit	Limit	Category ISO-F-											Test method reference
				RMA	RMB	RMD	RME	RMG				RMK			
				10	30	80	180	180	380	500	700	380	500	700	
Kinematic viscosity at 50 °C		mm²/s [a]	Max	10,00	30,00	80,00	180,0	180,0	380,0	500,0	700,0	380,0	500,0	700,0	ISO 3104
Density at 15 °C		kg/m³	Max	920,0	960,0	975,0	991,0	991,0				1010,0			ISO 3675 or ISO 12185; see 6.1
CCAI		–	Max	850	860	860	860	870				870			see 6.2
Sulfur [b]		mass %	Max	Statutory requirements											ISO 8754 or ISO 14596 or ASTM D4294; see 6.3
Flash point		°C	Min	60,0	60,0	60,0	60,0	80,0				80,0			ISO 2719; see 6.4
Hydrogen sulfide		mg/kg	Max	2,00	2,00	2,00	2,00	2,00				2,00			IP 570; see 6.5
Acid number [c]		mg KOH/g	Max	2,5	2,5	2,5	2,5	2,5				2,5			ASTM D664; see 6.6
Total sediment – Aged		mass %	Max	0,10	0,10	0,10	0,10	0,10				0,10			ISO 10307-2; see 6.9
Carbon residue – Micro method		mass %	Max	2,50	10,00	14,00	15,00	18,00				20,00			ISO 10370
Pour point (upper) [d]	winter	°C	Max	0	0	20	20	30				30			ISO 3016
	summer	°C	Max	6	6	20	20	30				30			
Water		volume %	Max	0,30	0,50	0,50	0,50	0,50				0,50			ISO 3733
Ash		mass %	Max	0,040	0,070	0,070	0,070	0,100				0,150			ISO 6245
Vanadium		mg/kg	Max	50	150	150	150	350				450			IP 501, IP 470 or ISO 14597; see 6.14
Sodium		mg/kg	Max	50	100	100	50	100				100			IP 501, IP 470; see 6.15
Aluminium plus silicon		mg/kg	Max	25	40	40	50	60				60			IP 501, IP 470 or ISO 10478; see 6.16
Used lubricating oil (ULO): – Calcium and zinc; or – Calcium and phosphorus		mg/kg	–	Calcium > 30 and zinc > 15 or Calcium > 30 and phosphorus > 15											IP 501 or IP 470; IP 500; see 6.17

a 1 mm²/s = 1 cSt.
b The purchaser shall define the maximum sulfur content in accordance with relevant statutory limitations. See Introduction.
c See Annex E.
d Purchasers should confirm that this pour point is suitable for the ship's intended area of operation.

Permission to reproduce extracts of standards has been granted by Standard Norge. No other use of this material is permitted. Full standards may be obtained from the Standard Norge online shop, found at: https://www.standard.no/en/webshop/