

Sample Data

Vessel

Date

Port CARTAGENA

Product HSFO ISO 8217:2010

Results

HSFO -RMG - 2017

Test	Unit	Test Method	Test Limit		Result
API gravity @ 60 °F	---	ASTM D1298	11,2	Min	15,3
Viscosity @ 50 °C	cSt	ASTM D445	380	Max	235,06
Density @ 15 °C	kg/m³	ASTM D1298	991,0	Max	963,3
CCAI	---	Calculated	870,0	Max	829,4
Flash Point	°C	ASTM D93	60	Min	89,5
Pour Point	°C	ASTM D97	30	Max	-16,3
Carbon Residue, Micro	% m/m	ASTM D189	18,0	Max	9,00
Ash	% m/m	ASTM D482	0,15	Max	0,014
Vanad	mg/kg	ASTM D5863	350	Max	142,1
Aluminum plus silicon	mg/kg	IP 501	60	Max	18,1
Aluminum	mg/kg	IP 501	6,26		
Silicon	mg/kg	IP 501	11,85		
Sulfur	% m/m	ASTM D4294	3,5	Max	0,971
Water	%v/v	ASTM D95	0,5	Max	0,10
Zinc	mg/kg	IP 501	15	Max	0,40
Phosphor	mg/kg	IP 501	15	Max	0,29
Calcium	mg/kg	IP 501	30	Max	16,08
Total Sediment, Potencial	% m/m	ASTM D4870	0,10	Max	0,01
Acidy Number	mgKOH/g	ASMT D664	2,5	Max	0,409
Sodium	mg/kg	IP 501	100	Max	6,71
Capacidad Calorica Neta	Mj/Kg	---	---	---	40,94

Used lubricating oil(ULO):

The fuel shall be free from ULO, and shall be considered to contain ULO when either one of the following conditions is met:

Calcium - Zinc mg/kg Calcium > 30 and Zinc > 15.

Calcium - Phosphorus mg/kg Calcium > 30 and Phosphorus > 15.