

Sample Data

Vessel

Date

Port CARTAGENA

Product VLSFO ISO 8217:2017

Results VLSFO- ISO 8217:2017

Test	Unit	Test Method	Test Limit		Result
API gravity @ 60 °F	---	ASTM D1298	11,2	Min	19,3
Viscosity @ 50 °C	cSt	ASTM D445	80	Max	89,70
Density @ 15 °C	kg/m³	ASTM D1298	991,0	Max	937,8
CCAI	---	Calculated	870,0	Max	815,7
Flash Point	°C	ASTM D93	60	Min	75,5
Pour Point	°C	ASTM D97	30	Max	-15,8
Carbon Residue, Micro	% m/m	ASTM D189	18,0	Max	7,02
Ash	% m/m	ASTM D482	0,15	Max	0,008
Vanad	mg/kg	ASTM D5863	350	Max	41,90
Aluminum plus silicon	mg/kg	IP 501	60	Max	15,94
Aluminum	mg/kg	IP 501	7,64		
Silicon	mg/kg	IP 501	8,30		
Sulfur	% m/m	ASTM D4294	0,5	Max	0,460
Water	%v/v	ASTM D95	0,5	Max	0,20
Zinc	mg/kg	IP 501	15	Max	0,80
Phosphor	mg/kg	IP 501	15	Max	0,81
Calcium	mg/kg	IP 501	30	Max	11,36
Total Sediment, Potencial	% m/m	ASTM D4870	0,10	Max	0,01
Acidy Number	mgKOH/g	ASMT D664	2,5	Max	0,638
Sodium	mg/kg	IP 501	100	Max	5,92
Capacidad Calorica Neta	Mj/Kg	---	---	---	41,38

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.