

Attention of : U. Sanchez
Your reference : Archivo 1703254

Analysis Report

Report number : **15300/00007452.4/L/17** Date of sampling : 2017-10-27
Main Object : Corelab / Análisis Laboratorio Sample submitted at : Saybolt Colombia - Cartagena
Report Date : 2017-11-03 Date received : 2017-11-01
Date of issue : 2017-11-03 Date completed : 2017-11-03
Sample object : Parex / 1703254 Sample number : 5845622
Sample type : Submitted
Sample submitted as : Crude Oil
Marked : Capachos-2ST / Separador / Reg 2708

NAME	METHOD	UNIT	RESULT
API Gravity at 60 °F	ASTM D 1298	°API	39.0
Water and Sediment	ASTM D 4007	vol %	0.025
Flash Point (PM) - Procedure A	ASTM D 93	°C	<40.0
Pour Point	ASTM D 97	°C	-24
Total Sulfur Content	ASTM D 4294	mass %	0.137
Vanadium (V) - Procedure B	ASTM D 5863	mg/kg	5.2
Nickel (Ni) - Procedure B	ASTM D 5863	mg/kg	1.0
Salt Content	ASTM D 3230	lb/1000bbl (PTB)	2.13
Asphaltenes	IP 143	mass %	<0.50
Wax Content	UOP 46 obs.	mass %	7.6
Ash Content	ASTM D 482	mass %	0.001
Total Acid Number - Procedure A	ASTM D 664	mg KOH/g	<0.100
Viscosity at 100 °F	ASTM D 445	cP	2.1
Viscosity at 122 °F	ASTM D 445	cP	1.8
Viscosity at 210 °F	ASTM D 445	cP	0.9
Distillation	ASTM D 86		
Initial Boiling Point (IBP)		°F	136
5% Recovered		°F	190
10% Recovered		°F	220
20% Recovered		°F	274
30% Recovered		°F	336
40% Recovered		°F	412
50% Recovered		°F	588
60% Recovered		°F	670

Signed by: Ronald Vargas Barrios - Laboratory Supervisor I
Issued by: Saybolt de Colombia SAS
Place and date of issue: Cartagena - 2017-11-03

Uncertainties, available on request, apply in the evaluation of the test results. Where available and for convenience purposes, the tested sample has been checked for compliance with supplied specifications, without accepting any liability. In case of dispute or concern, we refer to the interpretation of test results as defined in ASTM D3244, IP 367, ISO 4259 or GOST 33701.

Uncertainties, available on request, apply in the evaluation of the test results. Where available and for convenience purposes, the tested sample has been checked for compliance with supplied specifications, without accepting any liability. In case of dispute or concern, we refer to the interpretation of test results as defined in ASTM D3244, IP 367, ISO 4259 or GOST 33701.