

**Saybolt
Colombia**



LABORATORY ANALYSIS REPORT

CUSTOMER
REF. NO(S):------

VESSEL: -----
LABORATORY NO: 1429
INVOICE NO.: 15300-000003-08

DATE: Enero 9, 2008

DESCRIPTION	ANALYSIS		
	TEST NAME AND NUMBER	UNIT	RESULT
SAMPLE DESIGNATED AS: POZO CAPACHOS SUR 1	Gravity API @ 60 °F	ASTM D-1298	35.5
IDENTIFYING MARKS: DST 4	Sulphur X-ray	ASTM D-4294	wt% 0.210
REPSOL	Water & Sediment	ASTM D-4007	vol% 1.0
SUBMITTED BY: CORELAB	Flash Point	ASTM D-93A	°C <-5
CLIENT: CORELAB	Vanadium	ASTM D-5863A	ppm 0.98
	Nickel	ASTM D-5863A	ppm 2.8
	Ash	ASTM D-482	wt% 0.028
	Pour Point	ASTM D-97	°C <-33
	Salt content	ASTM D-3230	PTB 1.96
	Viscosity @ 100°F	ASTM D-445	cSt 3.386
	Viscosity @ 122°F	ASTM D-445	cSt 2.805
	Viscosity @ 210°F	ASTM D-445	cSt 1.989
	Asphaltenes	IP-143	wt% 0.362
	Paraffin Content	UOP-46	wt% 23.90
	Distillation		
	IBP	°F	160
	5%		222
	10%		244
	20%		334
	30%		430
	40%		534
	50%		614
	60%		678
MEMBERS ASTM - API - SAE			

DISCLAIMERS
Precision parameters apply in the evaluation of the test results specified above. Please also refer to ASTM D3244 (except for analysis of RFG), IP 367 and Appendix E of IP standard methods for analysis and testing with respect to the utilization of test
Issuer warrants that it has exercised due diligence and care with respect to the information and professional judgments embodied in this report. This report reflects only the findings at the time and place of the inspection and testing. Issuer expressly

HEBERTH E. SIMANCAS
GUARDO

* TYPED NAME OF APPROVER

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