البترولية بن زايد
BIN ZAYED PETROLEUM

CRUDE OIL

CRUDE OIL GENERAL PROPERTIES ANALYSIS

CHARACTERISTICS	UNITS	RESULT	TEST METHOD
Specific Gravity @ 15.56 /15.56 °C	---	0.9192	ASTM D5002
API Gravity	°API	22.4	ASTM D5002
Sulfur Content (Total)	wt.%	4.25	ASTM D4294
H_2S Content	ppm	< 1	RIPI
Mercaptan Content	ppm	17	UOP 163
Nitrogen Content (Total)	wt.%	0.12	ASTM D4629
Water & Sediment	vol.%	< 0.05	ASTM D4007
Water Content	vol.%	< 0.05	ASTM D4006
Salt Content	PTB	3	ASTM D3230
Kinematic Viscosity @ 7 °C	mm^2/s	268.8	ASTM D445
Kinematic Viscosity @ 10 °C	mm^2/s	199.8	
Kinematic Viscosity @ 20 °C	mm^2/s	109.3	
Kinematic Viscosity @ 40 °C	mm^2/s	42.91	
Kinematic Viscosity @ 60 °C	mm^2/s	19.85	
Pour Point (Upper)	°C	-42	ASTM D5853
Wax Appearance Temperature	°C	+2	Optical Microscopy
Reid Vapor Pressure	psi	5.75	ASTM D323
Asphaltene Content	wt.%	8.40	IP 143
Wax Content	wt.%	1.40	BP 237
Drop Melting Point of Wax	°C	60	IP 133
Conradson Carbon Residue	wt.%	11.4	ASTM D189
Total Acid Number	mg KOH/g	0.47	UOP 565
Nickel Content	mg/kg	20	ASTM D5863
Vanadium Content	mg/kg	86	
Iron Content	mg/kg	<1	
Lead Content	mg/kg	<1	
Sodium Content	mg/kg	1	
Zinc Content	mg/kg	<1	
Copper Content	mg/kg	<1	