

TGA & CO Professional Business & Technological Consultancy
HEAVY CRUDE OIL SPECIFICATIONS



CHARACTERISTICS	UNITS	RESULT	TEST METHOD
Specific Gravity @ 15.67/15	---	0.8785	ASTM D5002
API Gravity	*API	29.6	ASTM D5002
Sulfur Content (Total)	wt.%	2.24	ASTM D4294
H ₂ S Content	ppm	153	IP 570
Mercaptan Content	ppm	90	UOP 163
Nitrogen Content(Total)	wt.%	0.20	ASTM D 5762
Water & Sediment	Vol.%	<0.05	ASTM D4007
Water Content	Vol.%	<0.025	ASTM D4006
Salt Content	PTB	13	ASTM D3230
Kinematic Viscosity@ 10°C	MM ² /S	30.53	ASTM D445
Kinematic Viscosity @ 20°C	MM ² /S	19.42	
Kinematic Viscosity @ 40°C	MM ² /S	10.070	
Pour Point (Upper)	°C	-18	ASTM D5853
Reid Vapor Pressure	psi	7.70	ASTM D323
Asphaltene Content	wt.%	3.6	IP 143
Wax Content	wt.%	5.4	BP 237
Drop Melting Point of Wax	°C	55	IP 133
Conradson Carbon Residue	wt.%	6.93	ASTM D189
Total Acid Number	Mg KOH/g	0.15	UOP 565
Nickel Content	mg/kg	18	ASTM D5863
Vanadium Content	mg/kg	61	
Iron Content	mg/kg	1	
Lead Content	mg/kg	<1	
Sodium Content	mg/kg	20	
Zinc Content	mg/kg	<1	
Copper Content	mg/kg	<1	