

Light Crude Oil

Properties	Unit	Spec 1	Spec 2	Test Method
Sp. Gr. 15.6/15.6 °C		0.8575	0.8488	ASTM D 5002
API Gravity	°API	33.5	35.21	ASTM D 5002
Sulfur content	%Wt	1.45	1.69	ASTM D 4294
H ₂ S Content	ppm	61	15	IP 570
Mercaptan Content	ppm	118	243	UOP 163
Nitrogen Content	%Wt	0.18	0.08	ASTM D 5762
Water & Sediment	%Vol	< 0.05	< 0.05	ASTM D 4007
Water Content	%Vol	< 0.025	< 0.025	ASTM D 4006
Salt Content	PTB	9	4	ASTM D 3230
Kinematic Viscosity @10°C	mm ² /s	16.51	11.02	ASTM D 445
Kinematic Viscosity @20°C	mm ² /s	10.78	7.51	ASTM D 445
Kinematic Viscosity @40°C	mm ² /s	5.735	4.4	ASTM D 445
Pour Point	°C	-9	-30	ASTM D 5853
RVP	psi	8.15	8.5	ASTM D 3230
Asphaltene Content	%Wt	1.3	1.1	IP 143
Wax Content	%Wt	6.2	6.7	BP 237
Drop Melting Point of Wax	°C	54	52	IP 133
CCR	%Wt	4.24	3.4	ASTM D 189
Total Acid Number	mgKOH/g	0.1	<0.05	UOP 163
Nickel Content	ppm	8	5	ASTM D 5863
Vanadium Content	ppm	41	11	ASTM D 5863
Iron Content	ppm	1	1	ASTM D 5863
Lead Content	ppm	< 1	<1	ASTM D 5863
Sodium Content	ppm	7	3	ASTM D 5863
Zinc Content	ppm	< 1	<1	ASTM D 5863
Copper Content	ppm	< 1	<1	ASTM D 5863

