

NATIONAL PIER OIL COMPANY
RESEARCH INSTITUTE OF PETROLEUM INDUSTRY (RIPI)
CRUDE OIL AND PETROLEUM PRODUCTS EVALUATION DEPARTMENT

LV400 CrudeOil General Data

TABLE 1: CRUDE OIL GENERAL PROPERTIES ANALYSIS

CHARACTERISTICS	UNITS	RESULT	TEST METHOD
Specific Gravity @ 15.56 /15.56 °C	---	0.8479	ASTM D5002
API Gravity	°API	35.4	ASTM D5002
Sulfur Content (Total)	wt.%	1.67	ASTM D4294
H ₂ S Content	ppm	27	IP 570
Mercaptan Content	ppm	189	UOP 163
Nitrogen Content (Total)	wt.%	0.08	ASTM D 5762
Water & Sediment	vol.%	< 0.05	ASTM D4007
Water Content	vol.%	< 0.025	ASTM D4006
Salt Content	PTB	3	ASTM D3230
Kinematic Viscosity @ 10 °C	mm ² /s	9.43	ASTM D445
Kinematic Viscosity @ 20 °C	mm ² /s	7.27	
Kinematic Viscosity @ 40 °C	mm ² /s	4.118	
Pour Point (Upper)	°C	-12	ASTM D5853
Reid Vapor Pressure	psi	8.50	ASTM D323
Asphaltene Content	wt.%	1.0	IP 143
Wax Content	wt.%	6.5	BP 237
Drop Melting Point of Wax	°C	56	IP 133
Conradson Carbon Residue	wt.%	3.41	ASTM D189
Total Acid Number	mg KOH/g	0.06	UOP 565
Nickel Content	mg/kg	3	ASTM D5863
Vanadium Content	mg/kg	8	
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	