

# PERTAMINA NG LUBE

## SAE 30, 40

### HIGH QUALITY GAS ENGINE OIL



Characteristics	Test Method	NG LUBE SAE 30	NG LUBE SAE 40
SAE Viscosity Grade		30	40
Density at 15 °C, kg/l	ASTM D - 4052	0.8860	0.8890
Kinematic Viscosity at 40 °C, cSt	ASTM D - 445	92.07	134.5
at 100 °C, cSt	ASTM D - 445	10.9	14.22
Viscosity Index	ASTM D - 2270	103	103
ASTM Colour	ASTM D - 1500	L 5.0	L 5.0
Flash Point, °C	ASTM D - 92	246	260
Pour Point, °C	ASTM D - 5950	-12	-9
Total Base Number, mg KOH/g	ASTM D - 2896	5.1	4.88
Sulfated Ash, %wt	ASTM D - 874	0.5	0.46

**NG LUBE** Series are high quality gas engine oil, which are suitable for spark ignited type engines using natural gas fuel.

**NG LUBE** Series are designed to have excellent oxidation and nitration stability, to prevent deposit formation, overcome wearing out, corrosion and scuffing and neutralize acids from combustion process. This lubrication application will give an optimal protection for daily non-stop operating engines.

#### PERFORMANCE LEVELS

**NG LUBE** Series have meet API CF, Waukesha and Dresser Rand Category III.

#### SUPERIORITIES

- Very high resistance against nitration and oxidation.
- Prevent deposit formation in piston groove and undercrown also at combustion chamber.
- Having optimum ash level (0.49 %wt) to prevent

wearing out in valve and valve seat, which can cause valve guthering or torching.

- Provide maximum protection against corrosion wearing out and scuffing.
- Provide maximum protection against sparkplug fouling.
- Having low evaporation level and good compatibility with various type of seal.

#### APPLICATIONS

**NG LUBE** Series can be applied to four stroke engines, either naturally aspirated or turbocharged type such as Caterpillar, Waukesha, Wartsila and Dresser Rand, which are operating as gas gathering rotary compressor, main line compressor station, generator set, co-generator, etc.

**NG LUBE** Series can also be applied to dual fuel engines; using diesel fuel and natural gas for stationary application.

**NG LUBE** Series are not recommended for two stroke gas engine.