Product Data

Energas NGL

Gas Engine Lubricant

Description

BP Energas NGL is a mineral based SAE 40 low ash gas engine lubricant.

Application

Energas NGL is formulated primarily for spark ignition natural gas engines where a low ash formulation is specified and where the gas is largely free from aggressive components i.e. halogens and hydrogen sulphide. The detergent/dispersant additive system has been designed to control deposit formation and improve oxidation characteristics whilst offering excellent corrosion control and TBN retention. Energas NGL is approved by: Deutz Jenbacher - engine types 2, 3 & 6 - Fuel Gas Classes A, B & C (TI 1106-1109) Jenbacher - engine type 4 - Fuel Gas Classes A & B (TI 1106-1109) Rolls Royce Ulstein (applications with separate lubrication for turbochargers) Wärtsilä 175SG, 220SG, 25SG, 28SG and 34SG Wärtsilä 32DF and 50DF dual fuel engines running predominantly on natural gas Energas NGL meets the requirements of / suitable for use in: Perkins Ruston Caterpillar Waukesha (normal coolant temperature installations)

Advantages

• Excellent thermal and oxidative stability leads to longer oil life and extends drain intervals. This reduces maintenance costs and down time.
• Provides good resistance to acid corrosion.
• Reduces deposits & maintains engine cleanliness.
• Excellent antiwear characteristics provide outstanding protection against piston, cylinder wear and scuffing.

Typical Characteristics

Name	Method	Units	Energas NGL
SAE Class	-	-	40
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m³	890
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm²/s	124
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm²/s	13.0
Viscosity Index	ISO 2909 / ASTM D2270	-	97
Pour Point	ISO 3016 / ASTM D97	°C/°F	-18/0
Flash Point - open cup method	ISO 2592 / ASTM D92	°C/°F	250/482
Flash Point - closed cup method	ISO 2719 / ASTM D93	°C/°F	220/428
Base Number	ISO 3771 / ASTM D2896	mg KOH/g	4.5
Sulphated Ash content	ISO 3987 / ASTM D874	%wt	0.45
Zinc content	ASTM D4951	ppm	290
Phosphorus content	ASTM D4951	ppm	260
Boron content	ASTM D4951	ppm	150

Subject to usual manufacturing tolerances.

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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