



## PERFECTA LA-540 GAS ENGINE OIL

### PRODUCT DESCRIPTION:

PERFECTA LA-540 is a premium gas engine oil designed to meet the demanding requirements of high-output four-cycle engines, meeting emissions reduction and enhanced fuel efficiency requirements. These engines typically operate under conditions of high load and temperature. PERFECTA LA-540 is formulated from top-tier base stocks and an advanced additive system, ensuring exceptional oxidation stability, resistance to nitration, and high thermal stability. It is recommended for an oil drain interval (ODI) of 2,500 hours.

### APPLICATION:

- Turbocharged and naturally aspirated engines, including those from Caterpillar, Superior, Waukesha, and others, operating at medium to high speeds and requiring low ash oil.
- Engines facing valve face and seat wear challenges.
- Suitable for lean-burn and stoichiometric four-cycle engines.
- Compatible with engines equipped with catalytic converters.
- Ideal for applications using alternate fuels with low sulfur or chlorine levels.
- Recommended for in-field gathering operations using sour gas (low levels of H<sub>2</sub>S) as fuel.

### FEATURES & BENEFITS:

- Outstanding resistance to oxidation and nitration.
- Superior protection against wear and scuffing.
- Excellent corrosion protection properties.
- Superior detergency and dispersancy.

### PERFORMANCE LEVELS: Meets or Exceeds:

- Caterpillar Energy Solutions TR 2105, Lube Oils for Gas Engines (CG132, CG170, CG260)
- INNIO Waukesha Engine 220GL Applications Using Pipeline Quality Gas
- INNIO Waukesha Engine Cogeneration / Gas Compression Applications Using Pipeline Quality Gas
- MWM TR 0199-99-2105, Lube Oils for Gas Engines
- Wartsila 20DF, 31DF, 31SG, 32DF, 34DF, 34SG, 46DF, 50DF 50SG.
- Bergen Engines AS (former Rolls-Royce Bergen) C-Type Gas Engines, B 3540 Gas Engines, K-Type Gas Engines.
- Caterpillar / MaK 4-Stroke Medium Speed Engine (Gas Operation) incl. GCM-34.

### TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	PERFECTA LA-540
<b>SAE Grade</b>			<b>40</b>
Kinematic Viscosity @ 104°F /40°C	ASTM D7042	cSt	TBR
Kinematic Viscosity @ 212°F /100°C	ASTM D7042	cSt	13.6
Viscosity Index	ASTM D2270	-	100
SP. Gravity @15°C/ 60°F	ASTM D4052	g/cm <sup>3</sup>	TBR
Flash Point (min)	ASTM D92	°C	250
Pour Point (max)	ASTM D97	°C	-12
TBN	ASTM D2896	Mg KOH/g	4.5
Sulphatd Ash	ASTM D871	Wt.%	0.5

### HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS available on our website [www.lubrex.net](http://www.lubrex.net)

### HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet [www.lubrex.net](http://www.lubrex.net)

### PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

### STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

™ Trademark of LUBREX, registered in various countries © 2005

All statements, information and data presented herein are believed to be accurate and reliable, but are not to be taken as a guarantee, an express warranty or an implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which LUBREX and its affiliates assume legal responsibility.