

## **GEO Series**

### **Description**

Low ash, mineral monograde crankcase lubricants designed for application in natural gas engines

### **Application**

GEO series is recommended for use as a crankcase lubricant in 4-cycle gas engines and compressor cylinders. It covers the demands of Ingersoll-Rand Cat. I,II,and III.

### **Operation Characteristics**

- Protect metal parts from corrosion and rust.
- Resistance to oxidation at high temperatures.
- Provides resistance against foaming.
- Very good dispersion of the lubricant on metallic surfaces.
- Excellent deposit control.
- Good performance at low temperatures.

### **Specifications, Approvals, Recommendations**

API CC

### **Typical Physical Characteristics**

|                           | ASTM   | GEO 30 | GEO 40 |
|---------------------------|--------|--------|--------|
| SPECIFIC GRAVITY (kg/ltr) | D 1298 | 0,890  | 0,892  |
| VISCOSITY AT 40°C (cSt)   | D 445  | 98     | 143    |
| VISCOSITY AT 100°C (cSt)  | D 445  | 11     | 14     |
| VISCOSITY INDEX           | D 2270 | 96     | 95     |
| FLASH POINT (°C ) min.    | D 92   | 248    | 248    |
| TBN mg KOH/gr             | D 2896 | 4,5    | 4,5    |
| PHOSPHORUS %wt            |        | 0,028  | 0,028  |
| SULFATED ASH %wt          | D 874  | 0,38   | 0,38   |
| POUR POINT (°C)           | D 97   | -24    | -24    |

### **Health, Safety and Environmental Protection**

It is unlikely to cause any significant problem to the health or safety of the user when used properly, according to the typical handling of lubricating and usual personal hygiene practices. The used lubricants must be recycled in accordance with applicable legislation and placed in approved collection points. Do not discharge into drains, soil or water / sea. Always follow the instructions of the safety data sheet.