# Gas compressor oil

## Performance Overview

Maxtop This gas compressor oil is made from polyethylene glycol and composite functional additives. It is designed for high-temperature, high-pressure, and high-load operating conditions of compressors. The product boasts excellent oxidation stability, anti-wear properties, and rust prevention, effectively reducing wear on the screw rotor, bearings, and gears. Simultaneously, its superior water-separating properties quickly separate condensate from compressed air, preventing lubrication failure caused by oil emulsification and significantly improving compressor operating efficiency and lifespan. It offers significant advantages over mineral oil-based products.

## Features

**01**

Extending the maintenance period, compared with mineral oil, Meistao's advanced synthetic gas compressor oil reduces the solubility of hydrocarbon gases, thereby minimizing the loss of viscosity.

**02**

Excellent rust prevention performance, enhancing the protective effect of the oil on the components, and reducing faults such as wear caused by rust.

**03**

Outstanding anti-wear protection ensures excellent sealing and also helps to reduce corrosion and wear.

**04**

Maintaining system efficiency, it provides excellent lubrication for the rotor system.

**05**

It helps to extend the working period and reduce the costs of maintenance and downtime.

**06**

The low-volatility formula reduces oil loss at high temperatures and decreases the frequency of refilling.

## Application Scenario

(1) Rotating screw type gas compressor
(2) Natural gas reinjection compressor
(3) Gas refueling for LPG and LNG vehicles
(4) Vessels for transporting various gases

Note: 32# and 150# are water-insoluble products, generally used in air conditioning refrigeration compressors and other environments requiring insolubility in water.

46#, 68#, and 100# are water-soluble products.

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# Gas compressor oil performance indicators

| Project | Quality indicators | | | | |
|---|---|---|---|---|---|
| Model | 32 | 46 | 68 | 100 | 150 |
| Kinematic Viscosity, $mm^2/s$ 40℃ | 28.8~35.2 | 41.4~50.6 | 61.2~74.8 | 90.0~110 | 135.0~165.0 |
| Viscosity Index Not less than | 160 | 190 | 200 | 200 | 206 |
| Pour Point/℃ Not greater than | -46 | -45 | -40 | -40 | -30 |
| Flash Point (Open Cup)/℃ Not less than | 200 | 200 | 220 | 220 | 260 |
| Copper Strip Corrosion (100℃, 3h)/Grade Not greater than | 1b | | | | |
| Density 15℃ $kg/m^3$ | 995 | 1049 | 1050 | 1053 | 996 |
| Sintering Load (Pd) kg/f Not less than | 200 | | | | |
| Comprehensive Wear Index/N kg/f | 61.5 | | | | |

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