

# Hydrocarbon Gas Compressor Oil

## ● Performance Overview

Maxtop Hydrocarbon Gas Compressor oils (MTHGCO) are specially designed lubricants for lubricating and cooling hydrocarbon gas compressors. Hydrocarbon gas compressors are used to compress hydrocarbon gases such as natural gas and petroleum gas, and are widely used in petrochemical industry, natural gas processing and transportation, industrial production and other fields. Reduce friction: The synthetic oil base formula effectively reduces the internal wear of the compressor. Anti-wear protection: form a stable oil film to extend the service life of the equipment. Reduce operating temperature: Excellent thermal stability to prevent oil deterioration at high temperatures.

## ● Features

### 01

High viscosity index: maintains appropriate viscosity at different temperatures, ensuring lubrication under various working conditions.

### 02

Low volatility: reduce the evaporation loss of oil and increase the service life of oil.

### 03

Shear stability: Maintains viscosity under high shear forces, suitable for high-speed compressors.

### 04

Environmentally friendly formula: Many hydrocarbon gas compressor oils adopt environmentally friendly formulas to reduce the impact on the environment.

### 05

Anti-foaming: Reduce the formation of foam and ensure the stability and lubrication effect of the oil.



## ● Application Scenario

- 1: Petrochemical industry  
Gas compression: hydrocarbon gas compression and transmission in refineries, oil and gas fields, and coking plants.  
Pressurization transportation: pressurization and bottling process of natural gas, gas, liquefied propane and other gases.
- 2: Natural gas processing  
Compression and bottling: compression and storage of natural gas and coalbed methane.
- 3: Oil refinery  
Process lubrication: high temperature and high pressure gas compression equipment in the refining process.
- 4: Fertilizer plant  
Gas compression: Gas compression and transport in processes such as ammonia synthesis.
- 5: Offshore platform  
Marine environment: Adapt to high humidity, high salt spray Marine environment, prevent seawater corrosion.

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Project	Quality indicators	
Brand	150	220
Kinematic viscosity (40°C), mm <sup>2</sup> /s	135~165	198~242
Viscosity index not less than	200	210
Pour point, °C not higher than	-40	
Acid value, mg (KOH) / g not more than	0.5	
Flash point (open), °C not less than	220	230
Ash content, % (mass fraction) not more than	0.02	
Corrosion test (copper sheet, 100°C, 3h) not more than	1	
Anticondensed heptane flushing capacity (40 flushing times)		
Retention amount. % not less than	10	
Foaming properties (foaming tendency/foaming stability), ml/ml		
24°C not more than	75/0	
93°C not more than	75/0	
After 24°C no more than	75/0	

**Maxtop**<sup>®</sup>