

Natural gas compressor oil

● Performance Overview

Maxtop natural gas compressor oil (MTNGCO220) is a synthetic blend specifically designed for total loss lubrication of cylinders. Reciprocating high-pressure compressors are used in the production of low-density polyethylene (LDPE), including LDPE for special applications. Applications include food, pharmaceuticals, cable insulation, and polyethylene-vinyl acetate copolymers (EVA). Low feed rates and high-quality components help minimize the impact on the quality of the finished polymer product. It is made from deeply refined hydrocarbon base oils and high-quality functional additives.



● Features

01

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

02

Excellent cleaning function: ensures that the piston does not produce sludge or coke.

03

Excellent wear protection: An effective load-bearing additive system is used to ensure that sliding parts are protected even at low feed rates.

04

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

● 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.



Performance indicators of natural gas compressor oil (MTNGCO220)

Project	Quality indicators
Grade	220
Kinematic Viscosity, mm ² /s 40°C	225
Viscosity Index Not lower than	120
Pour Point, °C Not higher than	-6
Acid Value, mg (KOH)/g Not greater than	0.6
Flash Point (Open Cup), °C Not lower than	240
Corrosion Test (Copper Strip, 100°C, 3h) Extremely Not greater than	1b
Foaming Activity mL/mL	
24°C Not greater than	75/0
93.5°C Not greater than	75/0
After 24°C Not greater than	75/0