

天然气压缩机油(MTNGCO220)

●性能概述

迈斯拓天然气压缩机油 (MTNGCO220) 是专为气缸全损耗润滑而设计的合成混合物。往复式超高压压缩机用于低密度聚乙烯 (LDPE) 的生产, 包括用于特殊用途的 LDPE。应用领域包括食品、药品、电缆绝缘以及乙烯-醋酸乙烯酯共聚物 (EVA)。进料速率低且高质量的组件有助于最大限度地减少对成品聚合物生产质量的影响。采用深度精制碳氢基础油和优质功能添加剂制造而成。



●产品特点

01

高粘度指数: 在不同温度下保持适宜的粘度, 确保在各种工作条件下的润滑。

02

低挥发性: 减少油品的蒸发损失, 提高油品的使用寿命。

03

出色的耐磨保护: 采用有效的承载添加剂系统, 以确保即使在低进给速度下也能保护滑动部件。

04

环保配方: 许多烃类气体压缩机油采用环保配方, 减少对环境的影响。

05

出色的清洁功能: 确保活塞不会产生油泥结焦。

06

良好的密封性能: 有助于保持活塞和气缸之间的密封, 提高压缩效率。

●应用场景

1: 石油化工

气体压缩: 炼油厂、油气田、焦化厂的烃类气体压缩与传输。

增压输送: 天然气、瓦斯气、液化丙烷等气体的增压与灌瓶工艺。

2: 天然气处理

压缩与灌瓶: 天然气、煤层气的压缩与存储。

分离回收: 烃类气体的分离、回收与净化过程。

3: 炼油厂

工艺润滑: 炼油过程中的高温、高压气体压缩设备。

设备保护: 防止设备磨损与腐蚀。

4: 化肥厂

气体压缩: 合成氨等工艺中的气体压缩与传输。

设备维护: 延长压缩机使用寿命, 降低维护成本。

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5: 海上平台

海洋环境: 适应高湿度、高盐雾的海洋环境, 防止海水腐蚀。

设备保护: 确保压缩机在恶劣环境下的稳定运行。

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天然气压缩机油(MTNGCO220)性能指标

项目		质量指标	试验方法
牌号		220	GB/T 3141
运动粘度, mm ² /s 40℃		225	GB/T 265
粘度指数	不低于	120	GB/T 1995
凝点, °C	不高于	-6	GB/T 510
酸值, mg (KOH) /g	不大于	0.6	GB/T 4945
闪点 (开口), °C	不低于	240	GB/T 3536
腐蚀试验 (铜片, 100°C, 3h) 极	不大于	1b	GB/T 5096
泡沫性mL/mL			GB/T 12579
24°C	不大于	75/0	
93.5°C	不大于	75/0	
后24°C	不大于	75/0	

Maxtop®

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