气体压缩机油

●性能概述

迈斯拓气体压缩机油采用聚乙二醇与复合功能添加剂制造而成。针对压缩机高温、高压、高负荷工况设计。产品有卓越的氧化稳定性、抗磨性及防锈性能，有效减少螺杆转子、轴承及齿轮的磨损。同时，优异的分水性能可快速分离压缩空气中的冷凝水，防止油乳化导致的润滑失效，显著提升压缩机运行效率与寿命。比矿物油基产品拥有明显的优势。

●产品特点

01

延长维护周期，与矿物油相比，迈斯拓的高级合成气体压缩机油降低了烃类气体溶解度，从而减少粘度的损失。

02

卓越的抗磨损保护，保证了良好的密封，也有助于降低腐蚀和磨损。

03

保持系统效率，为转子系统提供了卓越的润滑。

04

良好的防锈性能，提高油品对部件的保护性，减少因锈蚀产生的磨损等故障。

05

有助于延长工作周期，减少维修和停机的成本。

06

低挥发性配方减少高温下油品损耗，降低补油频次。

●应用场景

(1)旋转螺杆式气体压缩机
(2)天然气回注压缩机
(3)LPG和LNG车辆加气
(4)多种气体运输船舶

注意：32#、150#为水不溶产品，一般用于空调制冷压缩机及其他要求不溶于水的环境。
46#，68#，100#为水溶性产品

气体压缩机油性能指标

项目			质量指标				
型号			32	46	68	100	150
运动粘度，mm2/s 40℃			28.8~35.2	41.4~50.6	61.2~74.8	90.0~110	135.0~165.0
粘度指数		不小于	160	190	200	200	206
倾点/℃		不大于	-46	-45	-40	-40	-30
闪点（开口）/℃		不小于	200	200	220	220	260
铜片腐蚀（100℃，3h）/级		不大于	1b				
密度 15℃ kg/m³			995	1049	1050	1053	996
烧结负荷（Pd）	kg/f	不小于	200				
综合磨损指数/N	kg/f		61.5				

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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