Screw air compressor oil (DAH)

Performance Overview

Maxtop Screw air compressor oil (DAH) is made from a highly refined mineral base oil or a semi-synthetic base oil or a fully synthetic base oil, adding a variety of additives such as antioxidant, anti-rust, anti-wear and anti-foam. Designed for high temperature, high pressure and high load of compressor. The product has excellent oxidation stability, anti-wear and anti-rust properties, effectively reduce the wear of screw rotors, bearings and gears. At the same time, the excellent water separation performance can quickly separate the condensed water in the compressed air, prevent the lubrication failure caused by oil emulsification, and significantly improve the operation efficiency and life of the compressor.

Features

01

Excellent oxidation and thermal stability, longer oil life, reduced sludge formation in the fuel tank and exhaust lines, while extending filter life and lowering overall maintenance costs.

02

Excellent oil-water separation performance reduces the possibility of oil being carried into downstream equipment, reduces the possibility of oil emulsification, and reduces the blockage of aggregation filters.

03

Excellent anti-wear performance, reducing wear on rotors, bearings and gears.

04

Good anti-rust performance improves the protection of oil to components and reduces wear and other faults caused by rust.

05

No high or low temperature deposits are produced.

Application Scenario

(1)Suitable for bearings, synchronous bearings and transmission mechanisms of air compressors, as well as oil-injected rotary air compressors.
(2)Suitable for lubrication of low and medium load screw air compressors and reciprocating air compressors.

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Screw air compressor oil (DAH) performance indicators

Project		Quality indicators			
Viscosity Grade		32	46	68	100
Kinematic viscosity, mm 2 /s 40℃		28.8~35.2	41.4~50.6	61.2~74.8	90.0~110
Viscosity Index	Not less than	90			
Pour point , ℃	No more than	-15			
Flash point (open), ℃	Not less than	210	220	230	230
Copper corrosion (100℃, 3h)/level	No more than	1b			
Demulsibility (40-37-3) /min					
54 ℃	No more than	30			-
82 ℃	No more than	-			30
Water soluble acid or base		none			
Moisture, % (mass fraction)		trace			
Aging characteristics:					
200℃, air, ferric oxide					
Evaporation loss, %	not more than	20			
Conradson residual carbon increase, %	not more than	3.5			
Foaming properties (foaming tendency/foaming stability), ml/ml		250/0			

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