

## CLASSIC HAMDIR UM 46 ATLAS

Universal hydraulic oil mineral oil based ISO VG 46 HLP, specially for Atlas aggregates

### Description

**CLASSIC HAMDIR UM 46 ATLAS** is a high quality EP hydraulic oil and conform to DIN 51 524 part 2. The oil is mainly used in hydraulic systems with hydrostatic drives that tend to be exposed to high thermal loads and whose hydraulic pumps and motors, due to their design or the operating conditions, require a product with wear-reducing additives.

### Application

**CLASSIC HAMDIR UM 46 ATLAS** exceed the requirements for HLP hydraulic oils according to DIN 51 524 part 2 and HM to ISO 11158. It can also be used in metalworking machines.

**CLASSIC HAMDIR UM 46 ATLAS** do not cause damage to conventional sealing materials.

### Product data

Properties	Unit	UM 46 ATLAS*
Density 15 °C	g/cm <sup>3</sup>	0.864
Viscosity 40 °C	mm <sup>2</sup> /s	45.0
Viscosity 100 °C	mm <sup>2</sup> /s	7.0
Viscosity index		116
Pourpoint	°C	-30
Flash point (COC)	°C	240

\* are average values and may vary in the framework of the standard.

### Quality level

HLP to DIN 51 524 part 2  
 HM to ISO 11158, ASTM D 6158

### Performance

FZG > 12  
 SEB 181 222  
 JCMAS P041 HK Hydraulic Specification  
 AIST 126/127  
 SAE MS1004  
 GM LS 2