



SANDVIK PERFORMANCE FLUIDS LONG-LIFE HYDRAULIC OIL ARCTIC SANDVIK OH32-A

TECHNICAL SPECIFICATION

DESCRIPTION

Lubricating and hydraulic oil with excellent low temperature flowability and good viscosity-temperature behaviour should be used in machines and aggregates which have a wide operating temperature range or viscosity-sensitive hydraulic control units. Sandvik OH32-A meets all requirements made on these types of HV hydraulic oils, also known as high VI hydraulic oils. Sandvik OH32-A shows an excellent viscosity-temperature behaviour. Due to its extremely high viscosity index, the product can cover several ISO viscosity classes. Selected base oils together with synergistic additives guarantee excellent cold-flow- / low-temperature properties.

Sandvik OH32-A stand out due to the same multi-functional properties as our multi-purpose lubricating oils. Sandvik OH32-A oil is high-performance, multi-purpose oil based on selected base oils. Additives improve its ageing resistance and guarantee excellent corrosion protection. Selected anti-wear- (AW-) and extreme pressure- (EP-) additives improve the performance of the oil under mixed friction conditions, it reduces wear and increase the load carrying capacity. The anti-wear-components reduce energy consumption and friction and prevent the machine components from wear and stick-slip phenomena. Selected detergent / dispersant (DD) additives guarantee excellent cleaning properties and sludge carrying capacity. The oil of the Sandvik OH32-A show a very good filterability. Electrostatic phenomena are avoided. Sandvik OH32-A oil is produced with zinc-containing additive systems.



KEY FEATURES

- Very high viscosity index
- Wide operating temperature range
- Excellent low-temperature properties
- Excellent cleaning properties, high detergent / dispersant (DD) level
- Excellent corrosion protection
- Avoid electrostatic phenomena
- High ageing resistance
- Good air release
- Low foaming

APPLICATION

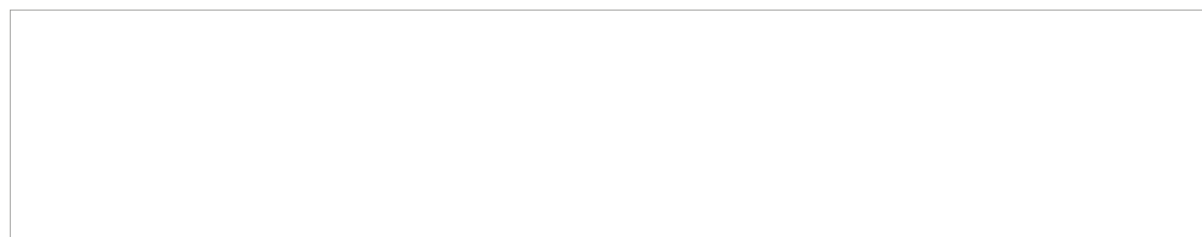
Sandvik OH32-A is recommended for use as high-performance, high-VI multi-purpose lubricating oil when machines and aggregates are exposed to changing temperatures, operated at low temperatures or when they are sensitive to variations in viscosity. Sandvik OH32-A is especially vital when excellent corrosion protection is required. The high level of selected DD-additives gives excellent cleaning properties and avoids the formation of sludge and carbon residues. Surface-active substances form lubrication layers which avoid wear and stick-slip phenomena.

SPECIFICATIONS

Sandvik OH32-A fulfil and surpass the specifications:
DIN 51524-3: HVLP(D)
ISO 6743-4: HV (with detergent / dispersant properties)
ISO 11158: HR (with detergent / dispersant properties)

TYPICAL CHARACTERISTICS

Product name		OH32-A	
Properties	Unit		Test method
ISO VG		32	DIN 51519
Kinematic viscosity			DIN EN ISO 3104
at - 20 °C	mm ² /s	1051	
at 0 °C	mm ² /s	-	
at 40 °C	mm ² /s	32	
at 100 °C	mm ² /s	8.0	
Viscosity index	-	270	DIN ISO 2909
Density at 15 °C	kg/m ³	886	DIN 51757
Flash point (COC)	°C	154	DIN ISO 2592
Pourpoint	°C	-57	DIN ISO 3016
Neutralisation number	mgKOH/g	0.5	DIN 51558
Air release at 50 °C	min	5	DIN ISO 9120
Copper corrosion	degree of corrosion	1	DIN EN ISO 2160
Corrosion protection - steel	degree of corrosion		DIN ISO 7120
- procedure A: distilled water		0	
- procedure B: salt water		0	
FZG mechanical gear test rig	failure load stage	11	DIN ISO 14635-1



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