## Product Information

## **AVENO Mineral Hydraulic HLP 32**

0002-000239



## Description

AVENO Mineral Hydraulic HLP 32 is a mineral-oil based hydraulic fluid with highly effective additives. It is optimally alloyed, has a high level of performance and a wide range of applications within the entire industry. AVENO Mineral Hydraulic HLP 32 offers a high wear protection, even under extreme loads, thanks to effective additives. AVENO Mineral Hydraulic HLP 32 is characterized especially by a very good viscosity and temperature behavior, high resistance to aging and reliable corrosion protection.

## Instructions for use

AVENO Mineral Hydraulic HLP 32 is universally applicable in all hydraulic systems. It is recommended for thermally highly stressed hydraulic systems with highpressure pumps of all models, in sensitive control systems, and also for the supply of small gear units and for use in circulation systems.

Quality classification					
Specification					
• AFNOR NF E 48-603 HM		• ISO 6743-4 HM			
• ASTM D6158		• JCMAS HK			
• CETOP RP 91H HM		• MIL-PRF-17672 E			
• DIN 51524-2		• SAE MS1004 HM			
• GB 111118.1 L-HM (conventional)		• SEB 181 222			
• ISO 11158 HM					
Recommendation					
• VDMA 24318		• Fives Cincinnati P-38/P-68			
• Atos		• GM LH-02-1-04, GM LS-2			
Bosch Rexroth RE 90220		• Metso			
Danieli Hydraulics		<ul> <li>Müller Weingarten</li> </ul>			
• Denison HF-0/HF-1/HF-2		Sauer-Danfoss 520L0463			
• Eaton/Sperry Vickers I-286-S		• US Steel 126/127/136			
• Eaton/Sperry Vickers M-2950-S		• Voith Turbo (HLP 32)			
Properties					
Reliable protection against corrosion		<ul> <li>Excellent wear protection</li> </ul>			
<ul> <li>Very good oxidation stability</li> </ul>		<ul> <li>High resistance to aging</li> </ul>			
<ul> <li>Neutral towards sealants</li> </ul>					
Technical specifications					
Properties	Data	Unit	Testing under		

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Kinematic Viscosity at 40°C	32.0	mm²/s	DIN 51659-2:2017-02
Kinematic Viscosity at 100°C	5.6	mm²/s	DIN 51659-2:2017-02
Viscosity Index	115		DIN ISO 2909:2004-08
Appearance	YELLOW		VISUELL
Density at 15°C	859	kg/m³	DIN EN ISO 12185:1997-11
Pour Point	-33	°C	ASTM D 7346:2015

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