

PENNZOIL AW HYDRAULIC GOLD

ISO 32 / 46 / 68 / 100



Review Date: 10th December 2024

PRODUCT DESCRIPTION

Pennzoil AW Hydraulic Gold offers state-of-the-art formulations that have produced a line of universal anti-wear hydraulic oils – having all the wear preventive characteristics required for the most severe applications, including high pressure vane pumps. At the same time, these oils are stable enough for more sensitive applications, such as coaxial piston pumps and hydrostatic transmissions.

Pennzoil AW Hydraulic Gold possesses excellent thermal and oxidative stability. In ideal operating condition, they can last for long operational periods without forming sludge, varnish or other degradation production which adversely affect the operation and performance of hydraulic system components.

APPLICATION

Pennzoil AW Hydraulic Gold can be used in a variety of equipment including hydraulic presses, machine tools, hydraulic system on mining equipment, oil lubricating electric motors and generators, palletizers, gear units, packaging equipment, grinders, die casting machines and other equipment requiring a premium quality hydraulic oil.

BENEFITS

- Copper Strip Corrosion Standards with 1A performance.
- Excellent thermal and oxidative stability.
- Excellent air release characteristic.
- Superior hydrolytic stability.
- Good water separation and excellent filterability.
- Outstanding anti-wear agents extend the lives of gear, vane, axial and radial piston pumps.

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SPECIFICATIONS

- ISO 11158
- ASTM D6158
- DIN 51524 (Part II)
- AIST 126, 127
- SEB 181222
- SAE MS1004
- Parker HF-0, HF-1, HF-2
- Bosch Rexroth RDE 90235
- Eaton E-FDGN-TB002-E
- JCMAS P041
- Cincinnati Machine (P68, P69, P70)
- GM LS-2

TYPICAL PROPERTIES

TEST	METHOD	TYPICAL RESULT			
ISO Viscosity Grade	ISO 3448	32	46	68	100
Copper Strip Corrosion Test, 3hrs@100°C	ASTM D130	1A	1A	1A	1A
Density @30°C, kg/l	ASTM D4052	0.8636	0.8695	0.8751	0.8770
Kinematic Viscosity @40°C, cSt	ASTM D445	34.8	44.6	71.7	99.7
@100°C, cSt	ASTM D445	5.9	6.8	9.1	11.4
Viscosity Index	ASTM D2270	113	108	100	102
Flash Point, °C, Min	ASTM D92	200	200	200	200
Pour Point, °C, Min	ASTM D5950	-6	-9	-9	-3