

Description

Repsol Vesta AW-X hydraulic oil has been developed to exceed most of the quality standards stated by hydraulic system manufacturers. It is a zinc-free technology using selected GII base oils and additive technology to create a hydraulic oil with outstanding antiwear and pumpability performance. Its zinc-free characteristics provides improved filterability performance in presence of water and higher protection of yellow metals than using conventional hydraulic fluids. These oils are especially suitable for lubricating circuits that has demanding requirements for filters that operate at high pressures and high temperatures.

Properties

- Resistance to oxidation, ageing and sludge.
- Extremely Good filterability
- High viscosity index.
- Technology tested against most of the rubbers in joints.
- Good anti-foam properties and demulsibility.
- Improved and reinforced anti-wear properties.
- Excellent water separability property

Quality levels

- DIN-51524 Part 2 HLP
- ISO 6743/4 HM
- ISO 11158
- AFNOR NF E 48-603 HM
- Parker Denison HF-0
- MAG IAS P70 (ISO 46)

Technical specifications

	UNIT	METHOD	VALUE
ISO Grade			46
Viscosity at 100 °C	cSt	ASTM D 445	6.7
Viscosity at 40 °C	cSt	ASTM D 445	46
Viscosity index		ASTM D 2270	97
Density at 15 °C	g/cm ³	ASTM D 4052	0.876
Flash point	°C	ASTM D 92	231
Pour point	°C	ASTM D 97	-24
FZG, damage stage		DIN 51354	11
4B wear, scar diameter	mm	ASTM D 4172	0.45
Res. Oxidation acid number at 1500 hrs	mgKOH/g	ASTM D 943	<2
De-emulsification at 54 °C	min	ASTM D 1401	<20
Copper corrosion 3 h at 100 °C		ASTM D 130	1b

A safety data sheet is available on request.

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