

HYDRAULIC OIL ANTI-WEAR

ISO 46

For superior performance and reduced maintenance in a wide range of hydraulic systems



Available in: 20L | 205L | 1000L

Verus Hydraulic Oil AW ISO 46 is a supreme performance anti-wear hydraulic oil designed to satisfy a wide range of hydraulic equipment requirements. Verus Hydraulic Oil AW ISO 46 provides long oil/filter life and optimum equipment protection reducing both maintenance costs and product disposal costs. Developed to meet the stringent requirements of severe hydraulic systems using high pressure, high output pumps as well as handling the critical requirements of other hydraulic system components such as close clearance servo-valves and the high accuracy numerically controlled (NC) machine tools.

Verus Hydraulic Oil AW ISO 46 is formulated with high quality base oils and a super-stabilised additive package that neutralises the formation of corrosive materials and is designed to work with systems operating under severe conditions where high levels of anti-wear and film strength protection are needed, yet formulated to work where non anti-wear hydraulic oils are generally recommended.



p: 1800 243 628 | aus-sales@chematek.com | w: chematek.com



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FEATURES AND BENEFITS

Verus Hydraulic Oil AW ISO 46 provides outstanding oxidation resistance allowing extension of oil and filter change intervals. The high level of anti-wear properties and excellent film strength characteristics result in exceptional equipment performance that not only results in fewer breakdowns but helps improve production capacity. The controlled demulsibility ensures the hydraulic oil works well in systems contaminated with small amounts of water yet readily separates large amounts of water.

APPLICATIONS

Some typical applications include:

- Hydraulic systems critical to deposit build-up such as sophisticated Numerically Controlled (NC) machines, particularly where close clearance servo-valves are used
- Systems requiring a high degree of load-carrying capability and anti-wear protection
- Applications where sludges and deposits form with conventional products
- Applications where thin oil-film corrosion protection is an asset such as systems where small amounts of water are unavoidable
- Where small amounts of water are unavoidable
- In systems containing gears and bearings

SPECIFICATIONS

Meets or exceeds the requirements of:

- DIN: 51524 Part 2 HLP Type
- ISO 6743-4 HM
- Denison HF-0, HF-1, HF-2
- Vickers I-286-S, Vickers M-2950-S
- Cincinnati Milacron P-70



TECHNICAL DATA

Characteristic	Test Method	Result
Physical Appearance	Visual	Bright & Clear
Viscosity @ 40°C cSt	ASTM D 445	44.2
Viscosity @ 100°C cSt	ASTM D 445	6.65
Viscosity Index	ASTM D 2270	96
Pour Point °C	ASTM D 97	-27
Flash Point °C	ASTM D 92	232
FZG 4-Square Load Support	DIN 51354	11