

HYDRAULIC OIL (AW 46)

MULTIPURPOSE ANTI-WEAR HEAVY DUTY HYDRAULIC OIL

VELION HYDRA AW 46 Series Hydraulic Oils are high performance Anti-Wear hydraulic oil blended from highly refined hydro treated high viscosity index base oils fortified with Anti-Wear, Anti-Rust, Anti-Oxidant, Anti-corrosion and anti-foam additives to provide excellent protection against wear, rust & corrosion and oxidation.

Features :

- Good hydrolytic stability and filterability.
- Anti-Corrosive, Anti-wear and extreme pressure Seal protection.
- Anti Oxidation properties for high temperature resistance and life-time increase.
- Good chemical stability & very low pour point.
- Fast acting Anti-Foam ability for maximum dampening efficiency.
- Year-round use in all weather conditions.

Benefits :

- Antiwear protection for high-pressure systems.
- Prevent filter blocking and optimize performance.
- Fully compatible with common seal materials and prevent fluid leakage.
- Outstanding antiwear properties, rust protection, low varnish and deposit formation.

Recommended Use :

- For hydraulic systems and pumps operating under medium pressure.
- For industrial and marine applications as well as in mobile machinery.

Typical Physico-Chemical Data : HYDRA AW 46

Characteristics	Method	Value
SAE Grade		AW 46
Colour	Visual	Yellow
Appearance	Visual	Clear
Density@ 29.5 C, g/cc	ASTM D2298	0.847
Kinematic Viscosity @40 C, cSt	ASTM D445	46
Kinematic Viscosity @100 C, cSt	ASTM D445	7
Viscosity Index	ASTM D2270	106
Copper Corrosion, 100 C, 3 hrs	ASTM D230	1a
Flash Point, C	ASTM D92	220
Pour Point, C	ASTM D97	-15
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These characteristics are typical variations in these may occur*

- **Storage & Handling:** The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing and store under protected storage conditions.
- **Health & Safety:** It is unlikely to be hazardous when properly used in recommended applications. Contamination of the oil from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.