Sterling LUBRICANTS
Excellence | Quality | Performance

PRODUCT DATA SHEET

MAXIM AW OILS

PREMIUM ANTI WEAR HYDRAULLIC OILS

CODE: ISO 22 1001, **ISO 32** 1002, **ISO 46** 1003, **ISO 68** 1004, **ISO 100** 1005

MAXIM HV OILS are high quality group 2 oil based hydraulic fluids containing zinc anti wear additives and formulated with premium base oil technology designed to give higher thermal stability and lower sludge formation compared to conventional hydraulic fluids. Suitable for applications in hydraulic systems operating at a broad range of temperatures and in demanding environments.

Primary Market**:** Suitable for use in industrial, agricultural, transport, earthmoving, forestry, marine, mining, fishing, and off-highway automotive industries such as steel works, quarries, heavy plant machinery, dock side, off- shore and many more.

Recommended applications include:

- Automotive braking system
- Forklift trucks
- Car jack, automotive lifts
- Heavy machinery: bulldozers, excavators, cranes, tractors
- Hydraulic brakes and hydraulic systems on agricultural vehicles and machinery
- Hydraulic pumps, bearings, piston, gears
- Aircraft hydraulic motors, pumps, brakes and wing movement
- Air tools and air compressors
- Stabilisers for marine industry
- Diecasting machines
- Many other hydraulic applications

Summary of Benefits:

- ✓ Superior performance in oxidation protection, thermal stability, water tolerance and pump durability.
- ✓ Anti-foam, anti-oxidants & anti-wear additives have been optimised for use where machine performance is not affected by fluctuating temperatures.
- ✓ Excellent air separation characteristics which reduces foaming and its negative effects. Fully compatible with elastomer materials commonly used for static and dynamic seals, such as nitrile, silicone and fluorinated polymers.

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Summary of Benefits:

- ✓ Good hydrolytic stability and water separation characteristics promote excellent filterability in the presence of water contamination. Good anti-foam and air release help ensure smooth operation and system efficiency.
- ✓ High oxidation stability resists oil thickening and deposit formation in service, minimizing the possibility of an unscheduled change of hydraulic fluid.

Specifications:

Vickers V-104C and 35VQ25 vane, 1-286-S, M2950-S; Denison HF-1, HF-2, HF-0; Racine, variable volume vane pumps; Cincinnati Milacron, P-68, P-69, P-70; DIN 51524 Part 2, Lee-Norse 100-1; Jeffrey No. 87; Ford M-6C32, US Steel 136, 127; BF Goodrich 0152; General Motors LH-04-1, LH-06-1, LH-15-1; Commercial Hydraulics (except PM500 Series) AFNOR E48-603.

Typical Characteristics:

	22	**32**	**46**	**68**	**100**
Specific Density at 15°C (kg/L)	0.865	0.870	0.872	0.880	0.899
Kinematic Viscosity at 40°C mm2/s (cSt)	22	32	46	68	100
Kinematic Viscosity at 100°C mm2/s (cSt)	4.1	5.0	6.1	7.8	14.3
Viscosity Index	101	106	106	104	97
Flash Point OCO (°C)	165	175	185	195	240
Pour Point (°C)	-36	-31	-33	-30	-21
Colour	Clear	Clear	Clear	Clear	Clear

*Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute a legal liability.

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Product Size: 5L, 20L, 205L, 1000L

Storage:

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C.

Health, Safety and Environment

A Safety Data Sheet (SDS) is available for each product. Users should consult the SDS, and follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.

The Safety Data Sheet is available at Sterling Lubricants by email: info@sterlingllubricants.com.au