



**PREMIUM AW
HYDRAULIC OIL**

5,000 Hour Oxidation Life
For High Pressure, High Temperature Applications



REV: 02.27.2017



DESCRIPTION

Gard™ Premium Anti-Wear ISO Hydraulic Oils are blended from premium Group II base oils. This product has outstanding resistance to high temperature oxidation, thermal stability, color, and the ability to stay in grade over long periods of time. The oils are blended using an advanced additive system for maximum resistance to oxidation and foaming and contain a high level of zinc based anti-wear additives.

BENEFITS

- ▣ Long service life in severe conditions
- ▣ Inhibit rust, corrosion, foaming, and aids in water tolerance
- ▣ Contains zinc anti-wear additives for maximum protection for gears and rotors
- ▣ Excellent low-temperature performance

APPLICATION

- Hydraulic systems operating under high pressure and high heat
- Farm tractors with separate add-on hydraulic tanks for buckets, bale spikes, etc.
- Construction equipment such as front-end loaders and excavators where AW oils are recommended
- Logging equipment such as skidders, feller bunchers, harvesters, and loaders where AW oils are recommended
- General commercial applications such as hydraulic lifts in muffler shops, scissor lifts, trash compactors
- Dump trucks, hydraulic jacks, log splitters, car haulers, lift gates, hydraulic presses, forklifts

PERFORMANCE

Performance Levels

- Cincinnati Milacron P-68 (ISO-32), P-69 (ISO-46), P-70 (ISO-68)
- Vickers I-286-S (Industrial), M-2950 (Mobile)
- Denison HF-0, HF-2 equivalent

TYPICAL PROPERTIES	METHOD	ISO 15	ISO 22	ISO 32	ISO 46	ISO 68	ISO 100	ISO 150	All Season
API Gravity	D-1298	31.7	34.3	32.8	31.9	30.6	30.7	30.4	33.7
Specific Gravity at 15.6°C	D-1298	0.867	0.853	0.861	0.866	0.873	0.872	0.874	0.857
Viscosity, cSt at 40°C	D-0445	15.11	22.05	32.34	45.43	68.65	97.03	147.21	25.77
Viscosity, cSt at 100°C	D-0445	3.34	4.37	5.54	6.84	8.90	11.37	14.16	5.65
Viscosity Index	D-2270	85	106	108	105	103	104	93	169
Flash Point, °C	D-0092	184	205	220	237	254	243	232	212
Flash Point, °F	D-0092	363	401	428	459	489	469	450	414
Pour Point, °C	D-0097	-38	-41	-26	-26	-26	-30	-21	-42
Pour Point, °F	D-0097	-36	-42	-15	-15	-15	-22	-6	-44
Oxidation Life	D-0943	-	5360	6020	6020	6043	-	-	-
ML Reference No.		588801	588481	566899	566910	566881	573925	571532	569361



PREMIUM AW
HYDRAULIC OIL

5,000 Hour Oxidation Life
For High Pressure, High Temperature Applications



REV: 02.27.2017



NOTE:

The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice. For additional qualifications, please contact Martin Lubricants Technical Service Department.

Health And Safety Information See separate Safety Data Sheets available on request.

Gard™ and Martin Lubricants™ are trademarks of Martin Lubricants. All other marks are property of their respective owners