



LUBRICANTS



Product Data Sheet

Harmony[®] AW Hydraulic Fluid MG

Premium hydraulic oil for wide temperature ranges

Premium multi-grade (MG), anti-wear (AW) fluids for use in off-road equipment and other hydraulic systems that experience fluctuations in fluid temperatures from cold morning start-up to extended heavy usage in hot weather. In many cases stationary systems can also benefit by staying within optimum operating viscosity range as sump temperatures can change throughout a work shift.

Features and Benefits

- Very refined base oil
- Oxidation control and rust / corrosion protection
- Improves hydraulic efficiency
- High *dielectric strength
- Outstanding shear stable polymeric additives
- Excellent foam control
- Excellent anti-wear protection

Applications

- B F Goodrich 0152
- Cincinnati Machine P-68, P-70, P-69
- Denison HF-0 (Rev. J)
- DIN 51524, Part 3 HVLP
- FMC 40 P0014-C, 40 P0013-C, 83052
- Jeffrey No. 87
- Mobile construction
- Aerial lift buckets
- Hydraulic control systems for machine tools and presses
- Lee-Norse 100-1
- Poclain Multi-grade specification
- Racine model S, variable Vol. pump
- Eaton Vickers 1-286-S, M-2950-S
- Swedish SHS Multi-grade
- ISO 11158, Family H (Hydraulic Systems), Type HV
- Garbage collecting equipment
- Tree trimming and fruit picking equipment
- Marine systems
- Hydraulic elevators, hoists, and lifts



1-800-566-4853



Tulsa, OK 74133



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Typical Properties

ISO Viscosity Grade	Test Method	MG15	MG22	MG32	MG46	MG68	MG100
Product Code		334215	334222	334240	334244	334268	334300
Viscosity, cSt @ 40°C	ASTM D 445	15	22	32	46	68	100
Viscosity, cSt @ 100°C	ASTM D 445	4.0	5.1	6.4	8.2	10.1	12.5
Viscosity Index	ASTM D 2270	175	170	157	153	132	120
Oxidation Stability, hrs.	ASTM D 943	5,000+	6,000+	6,000+	6,000+	4,000+	3,000+
Pour Point, °F	ASTM D 97	-58	-56	-48	-48	-32	-30
Flash Point, COC, °F	ASTM D 92	310	370	405	420	430	430
Rust Test, A & B	ASTM 665	Pass	Pass	Pass	Pass	Pass	Pass
Dielectric Strength*, kV	ASTM D 877	>30	>30	>30	>30	n/a	n/a

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.

*Note: Dielectric properties are measured at the point of manufacture (when packaged) at select Gulf manufacturing sites. A reduction in dielectric strength can be expected depending on humidity and particulate contamination. Containers should be kept tightly sealed and stored in a clean, dry environment.

*Dielectric performance applies to original packaged goods only.

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