



LUBRICANTS



Product Data Sheet

Harmony[®] Premium AW Hydraulic Fluids

Advanced Protection for Hydraulic Systems

Zinc-containing anti-wear hydraulic oils formulated with high-quality base oils and an additive system designed to provide superior protection and performance even under the most severe operating conditions. They are suitable for use in a wide variety of both high and low pressure industrial, mobile and marine hydraulic systems utilizing vane, piston, or gear pumps.

Features and Benefits

- Anti-foam protection provides low air entrainment
- Exceptional anti-wear protection to maximize hydraulic system component life
- Resists additive decomposition and the formation of sludge and acids in the presence of moisture
- Outstanding rust and corrosion protection for all components commonly found in hydraulic systems

Applications

- Bosch Rexroth
- U.S. Steel 126, 127, 136
- Parker Dennison HF-0, HF-1, HF-2
- Machine tools, grinders
- Non-detergent oil for compressors
- DIN 51524, Part 2
- AFNOR E 48-603 / ISO 11158
- Vane, gear, and axial piston hydraulic pumps
- Die Casting Machines
- Severe service in marine and mobile hydraulic units

Typical Properties

ISO Viscosity Grade	Test Method	32	46	68	100
Product Code		334533	334546	334568	334570
Viscosity, cSt @ 40°C	ASTM D-445	33.2	46.5	63.0	100
Viscosity, cSt @ 100°C	ASTM D-445	5.5	6.8	8.2	11.0
Viscosity Index	ASTM D-2270	101	100	96	98
Pour Point, °F (°C)	ASTM D-5949	-20 (-29)	-20 (-29)	-20 (-29)	-6 (-21)
Flash Point, °F (°C)	ASTM D-92	420 (216)	430 (221)	450 (232)	470 (240)
Density, lbs/gal (g/L)	ASTM D-1298A	31.5	30.5	30.0	28.8
Oxidation Stability, hrs.	ASTM D-943	6,000+	6,000+	6,000+	4,000+

These properties are typical of current production, minor variations are to be expected in normal manufacturing.

Rev. 05/21



1-800-566-4853



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