

TEC-GUARD

DEFEND

TEC-GUARD DEFEND PREMIUM AW HYDRAULIC FLUIDS

TEC-GUARD® DEFEND Premium AW Hydraulic Fluids are premium multi-grade high viscosity index anti-wear hydraulic oils developed to meet the requirements of modern hydraulic systems which operate at low or widely varying ambient temperatures. They are formulated with high quality base stocks to provide stability over a wide range of temperature. They contain specially selected anti-wear agents, rust and oxidation inhibitors, corrosion protection, rapid entrained air release, and anti-foamants for long life service up to 8,000 hours.

TEC-GUARD® DEFEND AW32, AW46, & AW68 are premium anti-wear hydraulic fluids with outstanding low temperature characteristics. They are specially formulated for use in mobile equipment hydraulic circuits where wide temperature ranges are encountered. (Cherry pickers, bucket trucks and marine hydraulics).

TEC-GUARD® DEFEND AW100 & AW150 oil also can be used for traditional in-plant hydraulic applications, and exceeds most industry hydraulic fluid specifications, including: Denison HF-2, HF-0 Commercial Shearing, Vickers, Sunstrand, Rexnord, Bosch-Rexworth, Volvo, Caterpillar, Hitachi, Komatsu, Parker Hannafin, and Cincinnati Milacron.

APPLICATIONS

TEC-GUARD® DEFEND Premium AW Hydraulic Fluids may be recommended for applications when a premium quality, anti-wear hydraulic oil is required by equipment manufacturers. The oils meet the rigorous performance requirements including Denison HF-0 and HF-2, Cincinnati Milacron P-68, P-69, and P-70, Vickers M-2950-S and 1-286-S, DIN 51524 (Part II, III), ANSI 9005-E02-RO, ASTM D6158, GM LS-2, and US Steel 126,127. Passes Vickers 35VQ25 Pump Test.

TEC-GUARD® DEFEND Premium AW Hydraulic Fluids provide excellent vane pump wear and protection. Extremely low pump part weight losses were encountered in the ASTM-D-2882 Vane Pump Wear Tests. Piston pump performance is also outstanding. No evidence of wear or distress was observed at the end of the 100.

COMPATIBILITY

TEC-GUARD® DEFEND Premium AW Hydraulic Fluids are compatible with most other mineral oil based hydraulic fluids. However mineral oil based fluids should never be mixed with specialty type fluids such as fire-resistant or other environmentally acceptable fluids.

- Excellent oxidative stability providing long-life protection up to 8000 hours*
- Excellent rust protection
- Non-conductive for use in cherry picker and bucket truck type operations
- Excellent anti-wear protection to pumps, motors, valves, and other hydraulic circuit components
- Excellent anti-foam protection
- Excellent multi-temperature applications
- Excellent thermal stability

Test Method	AW32	AW46	AW68	AW100	AW150
Viscosity @ 40°C, cSt	32.0	46.0	68.0	100	150
Viscosity @ 100°C, cSt	5.7	7.1	8.9	11.6	14.7
Viscosity Index	120	115	105	104	97
Pour Point, °F	-44	-40	-33	-24	-24
Flash Point, °F	350	390	390	405	410
Low Temp Pumpability	Pass	Pass	Pass	Pass	Pass
Dielectric, min. KV	+35	+35	+35	+35	+35
Rust Test	Pass	Pass	Pass	Pass	Pass

DON'T POLLUTE. CONSERVE RESOURCES. RETURN USED OIL TO APPROVED COLLECTION CENTERS.

TEC-GUARD

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