



TRIAX POWERFLOW AW

Multi-Vis Extended-Life Anti-Wear Hydraulic Fluid

Rev: 2026-07-04

DESCRIPTION

TRIAX Powerflow AW is a premium, multi-viscosity anti-wear hydraulic fluid engineered for extreme durability in high-pressure, severe-service applications. It combines excellent rust and corrosion protection, strong foam inhibition, high oxidation resistance, and superior anti-wear performance with excellent water-separating (demulsibility) characteristics.

Formulated from highly refined base oils and a next-generation additive system, Powerflow MV supports extended service drain intervals of 6,000 hours or more in demanding conditions while protecting seals, gaskets, and hoses throughout the system. Its detergent chemistry (HLPD-type) keeps hydraulic systems exceptionally clean — well suited to equipment with tight tolerances and long duty cycles.

PERFORMANCE HIGHLIGHTS

6,000 HRS
FLUID LIFE

3×
ANTI-WEAR PROTECTION

FULLY CORROSION
INHIBITED

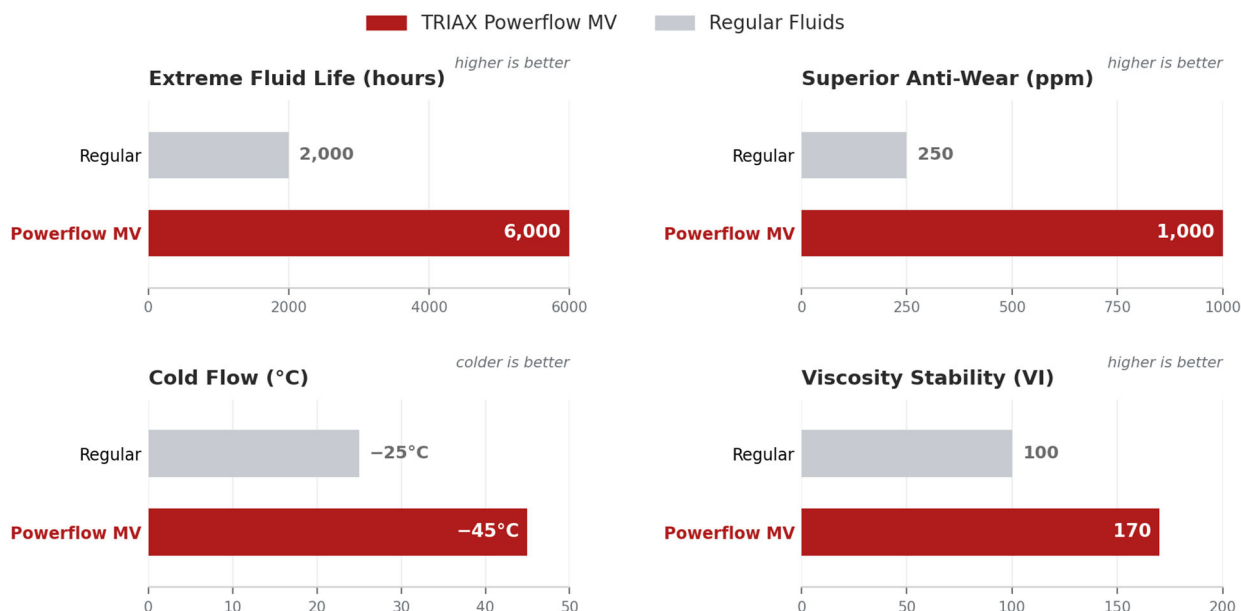
VIRTUALLY ZERO FOAMING

SMOOTH & PRECISE
HYDRAULIC RESPONSE

PREVENTS SYSTEM
OVERHEATING

- **Maximum component protection** — engineered to maximize protection of hydraulic components
- **3× anti-wear protection** — triple the wear protection versus regular AW fluids
- **Virtually zero foaming** — maintains performance even in extreme work conditions
- **Excellent demulsibility** — superior water separation and rust protection
- **Superior heat transfer** — maximizes continuous work time and helps prevent system overheating
- **Superior filterability** — prevents deposit formation that can interfere with filtration in low-tolerance equipment
- **Exceptional viscosity stability** — a very high viscosity index minimizes viscosity change and resists thinning at high temperature
- **Outstanding shear stability** — stays in grade under demanding operation
- **6,000-hour oxidation stability** — extremely long fluid life with low maintenance

PERFORMANCE CHARACTERISTICS



Representative comparison versus typical mainstream AW hydraulic fluids; actual results vary by application and equipment.

SPECIFICATIONS & APPLICATIONS

For use in applications requiring the following specifications.

- ASTM D6158 (HL, HM & HV)
- Bosch Rexroth RDE 90220 & RDE-90235
- Chinese Standard GB 11118.1 (L-HL & L-HM)
- Danieli 0.000.001 Type 10 & 11
- DIN 51524 Parts 1, 2 & 3
- Eaton 03-401-2010 / E-FDGN-TB002-E
- Fives Cincinnati P-68, P-69 & P-70
- GM LS-2 Anti-Wear Hydraulic Oil
- ISO 11158 (HL, HM & HV)
- JCMAS HK P041
- Parker Denison HF-0, HF-1 & HF-2
- SAE MS1004
- Swedish Standard SS 155434:2015
- U.S. Steel 126
- Vickers M-2950 & I-286-S
- ZF TE-ML 07H & 21M

TRIAX Powerflow AW is recommended for vane, piston, and gear pumps operated per the manufacturer's recommendations — including Parker Denison hydraulics — and as a gear and bearing lubricant in industrial applications requiring rust- and oxidation-inhibited oils.

Wide-ranging applications:

- Heavy construction — CAT, Komatsu, John Deere, Hitachi, Volvo, JCB & Liebherr
- Utility — log splitters, garden tractors, compactors & more
- Heavy industrial applications requiring exceptionally high protection
- Farming equipment working long hours in high & low temperatures

CHEMICAL PROPERTIES

Property	ISO 32	ISO 46	ISO 68
API Gravity	31.3	30.4	29.3
Kinematic Viscosity @ 40 °C, cSt (ASTM D445)	32.9	46.5	68.5
Kinematic Viscosity @ 100 °C, cSt (ASTM D445)	5.5	7.4	12.2
Viscosity Index (ASTM D2270)	122	136	139
Flash Point, °C (°F) (ASTM D92)	225 (437)	225 (437)	225 (437)
Pour Point, °C (°F) (ASTM D97)	-43 (-45)	-43 (-45)	-37 (-35)
Oxidation Stability, hrs (ASTM D943)	6000+	6000+	6000+
Air Release, min (ASTM D3427)	1.4	1.9	2.2
Copper Corrosion (ASTM D130)	1A	1A	1A

Small deviations from these results are expected during the manufacturing process and do not affect product performance.