TRIAX
PREMIUM LUBRICANTS

PRODUCT DATA SHEET
May, 2024

TRIAX POWERFLOW MV

MULTI-VIS EXTENDED LIFE HYDRAULIC FLUID

TRIAX Powerflow MV Hydraulic Oils are premium quality anti-wear hydraulic fluids designed to provide extreme durability protection in high pressure severe, service applications. TRIAX Powerflow MV products are formulated to provide excellent rust protection as well as foam inhibition, have excellent oxidation resistance, provide superior anti-wear protection and water separating characteristics. TRIAX Powerflow MV Hydraulic Oils provide the highest level of protection and extremely long service drain interval in the most demanding work conditions, 6000 hours or more of maximum protection. Premium, highly refined base oils, together with NextGen additive package provide outstanding protection for rubber parts, gaskets and hoses in hydraulic system. These fluids are classified as as HPLD, ultra high detergent fluids required for specific applications and provide outstanding hydraulic system cleanliness.

PERFORMANCE

- Designed to maximize protection to hydraulic components
- Virtually ZERO foaming in extreme work conditions
- Provides excellent demulsibility and rust protection
- Triple the wear protection vs regular AW fluids
- Superior heat transfer properties to maximize continuous work time
- Superior filterability preventing the formation of deposits which may interfere with filtration in equipment that has low tolerances
- Flawless hydraulic response
- Very high viscosity index guarantees exceptional viscosity stability, thus minimum viscosity changes with high temperature; Fluid will not thin out at high temperature operation
- Outstanding stay-in-grade shear stability
- 6000 hours of oxidation stability thus allowing for extremely long fluid life and low maintenance

PERFORMANCE HIGHLIGHTS

6,000 HOURS FLUID LIFE

3X ANTI-WEAR PROTECTION

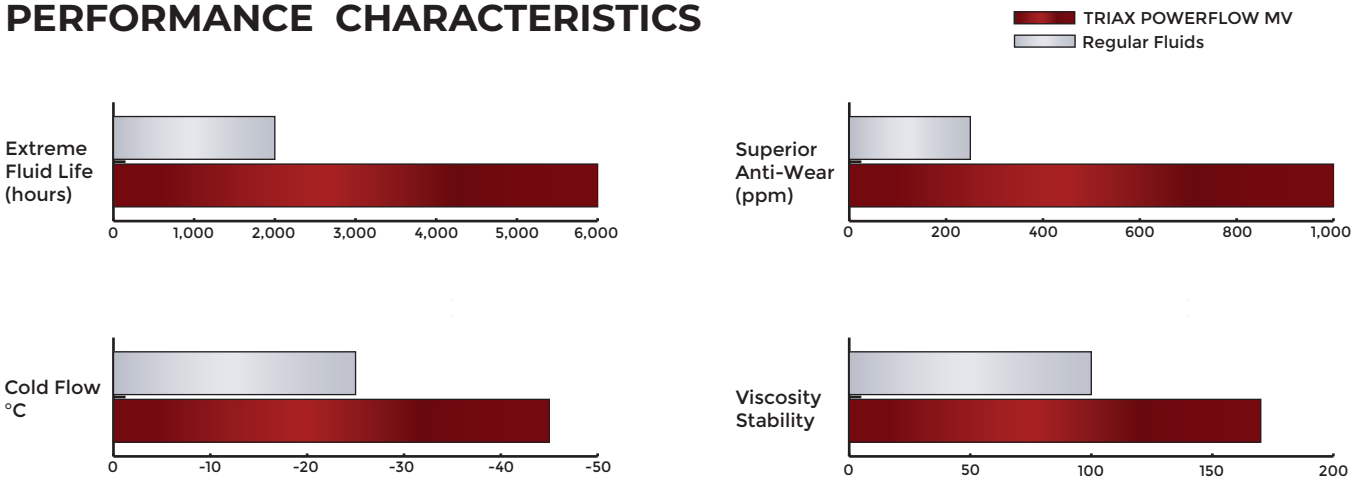
FULLY CORROSION INHIBITED

VIRTUALLY ZERO FOAMING

SMOOTH & PRECISE HYDRAULIC RESPONSE

PREVENTS SYSTEM OVERHEATING

PERFORMANCE CHARACTERISTICS



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APPLICATIONS

TRIAX Powerflow MV Hydraulic Fluids are recommended for service in vane, piston, and gear pumps when used in accordance with the manufacturers' recommendations, including Parker Dennison hydraulics.
TRIAX Powerflow MV Hydraulic Fluids are also recommended for use as a gear and bearing lubricant in industrial applications where rust and oxidation inhibited oils are required.

WIDE-RANGING APPLICATIONS:

- Heavy Construction Equipment such as CAT, Komatsu, John Deere, Hitachi, Volvo, JCB & Liebherr
- Wide ranging utility applications: Log Splitters, Small Garden Tractors, Compactors & More
- Heavy Industrial Applications requiring exceedingly high levels of protection
- Farming Equipment working long hours in both high & low temperatures

SPECIFICATIONS

- ASTM D6158 HL, HM, & HV
- Bosch Rexroth RDE 90220 and RDE-90235
- Chinese standard GB 11118.1 L-HL & L-HM High-pressure
- Danieli 0.000.001 Type 10 & 11
- DIN 51524 PART 1,2, & 3
- Eaton Brochure 03-401-2010, E-FDGN-TB002-E
- Fives CincinnatiP-68, P-69 & P-70
- ZF TE-ML 07H, ZF TE-ML 21M
- GM LS-2 Antiwear Hydraulic Oil
- ISO 11158 HL, HM, & HV
- JCMAS HK P041
- Parker Denison HF-1, HF-2, & HF-0
- SAE MS1004
- SWEDISH STANDARD SS 155434:2015
- U.S. Steel 126
- Vickers M-2950 & I-286-S

CHEMICAL PROPERTIES

TEST CRITERIA	ISO 32	ISO 46	ISO 68
API VISCOSITY	31.3	30.4	29.3
KINEMATIC VISCOSITY @40 C	32.9	46.5	68.5
KINEMATIC VISCOSITY @100 C	5.5	7.4	12.2
VISCOSITY INDEX	122	136	139
FLASH POINT C (F)	225 (437)	225 (437)	225 (437)
POUR POINT C (F)	-43 (-45)	-43 (-45)	-37 (-35)
OXIDATION STABILITY, ASTM D943	6000+	6000+	6000+
AIR RELEASE, 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.