



WearGuard™ D-A FQH WO Series are food grade hydraulic fluids that are formulated with USP grade white oils. These NSF registered food grade hydraulic fluids are engineered to meet the demanding requirements of severe Service hydraulic systems using high pressure, high temperature and high output pumps.

Applications

- Hydraulic Systems
- Hydraulic Systems containing gears and bearings
- Gears
- Bearings
- Compressors
- Vacuum pumps
- Slide Ways & Chains
- Wipe Down Oil
- Air Lines
- Meat Processing Plants
- Poultry Processing Plants
- Food Processing (H-1)

Characteristics

- Antiwear Protection for High-Pressure Systems
- Recommended for Gear, Vane and Piston Pumps
- Rust, Oxidation and Foam Inhibited
- Designed for Extreme-Temperature Operations
- Hydrolytically Stable and Readily Separates from Water
- Excellent compatibility with elastomers, seals, plastics, and paints
- Protects lubricants from microbial degradation
- Complies with FDA 21 CFR 178.3570 H-1

Typical Properties

WearGuard™ D-A FQH WO Series	ASTM Test	WearGuard™ D-A FQH WO ISO 32	WearGuard™ D-A FQH WO ISO 46	WearGuard™ D-A FQH WO ISO 68	WearGuard™ D-A FQH WO ISO 100
Viscosity @ 40°C, cSt	ASTM D 445	31.1	46.5	67.4	103.4
Viscosity @ 100°C, cSt	ASTM D 445	5.3	6.9	8.6	11.8
Viscosity Index	ASTM D 2270	102	104	98	103
ISO Viscosity Grade	ASTM D 2422	32	46	68	100
SAE Viscosity Grade	SAE J300	10	20	20	30
Pour Point, °F (°C)	ASTM D 97	-11 (-24)	-6 (-21)	-8 (-22)	1 (-17)
Flash Point, °F (°C)	ASTM D 92	400 (204)	410 (210)	428 (220)	529 (276)
Fire Point, °F (°C)	ASTM D 92	414 (212)	424 (218)	475 (246)	538 (292)
Specific Gravity	ASTM D 1298	0.855	0.8649	0.8692	0.8713
Water Separability, oil-water-cuff (min.)	ASTM D 1401	40-40-0 (10)	40-40-0 (10)	40-40-0 (15)	40-40-0 (15)
Foaming Characteristics, Initial/Final Vol. (time)	ASTM D 892	0/0/0	0/0/0	0/0/0	0/0/0
Rust Test	ASTM D 665				
Method A - Distilled Water		Pass	Pass	Pass	Pass
Method B - Synthetic Sea Water		Pass	Pass	Pass	Pass
Copper Strip Corrosion	ASTM D 130	1a	1a	1a	1a
Four-Ball Wear, mm	ASTM D 4172	0.4	0.4	0.38	0.38
NSF Registration No. / Category Code		154605/H1	154606/H1	154607/H1	154608/H1



801 Edwards Drive Lebanon, IN 46052
 1-800-OIL-LUBE (1-800-645-5823)
 (317) 923-5321 (765) 482-3065 FAX
 www.dalube.com dalube@dalube.com

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