

WearGuard™ D-A FQG WO Series are food grade gear oils that are formulated with USP grade white oils. These NSF registered food grade gear oils are engineered to provide superior lubrication protection where food contact may occur.



Applications

- Bearings
- Gear Sets
- Pumps
- Chain Applications
- Meat Processing Plants
- Poultry Processing Plants
- Food Processing (H1)
- High and Low Pressure Gear and Vane Systems
- Extended drain intervals when oil sampling
- General purpose use where incidental food contact may occur

Characteristics

- Made from USP grade white oils
- Excellent compatibility with elastomers, seals, plastics, and paints
- Protects lubricants from microbial degradation
- Complies with FDA 21 CFR 178.3570 H1

Typical Properties

WearGuard™ D-A FQG WO Series	ASTM Test	WearGuard™ D-A FQG WO ISO 150	WearGuard™ D-A FQG WO ISO220	WearGuard™ D-A FQG WO ISO 320	WearGuard™ D-A FQG WO ISO 460
Viscosity @ 40°C, cSt	ASTM D 445	148.3	220.2	312.7	456.3
Viscosity @ 100°C, cSt	ASTM D 445	15	19.5	25	31.9
Viscosity Index	ASTM D 2270	101	100	103	101
ISO Viscosity Grade	ASTM D 2422	150	220	320	460
AGMA Gear Classification		4EP	5EP	6EP	7EP
Pour Point, °F (°C)	ASTM D 97	0 (-18)	2 (-19)	0 (-18)	-7 (-22)
Flash Point, °F (°C)	ASTM D 92	464 (240)	464 (240)	496 (258)	496 (258)
Fire Point, °F (°C)	ASTM D 92	525 (274)	525 (274)	523 (273)	522 (272)
Copper Strip Corrosion	ASTM D 130	1a	1a	1a	1a
Rust Test	ASTM D 665				
Method A - Distilled Water		Pass	Pass	Pass	Pass
Method B - Syn. Sea Water		Pass	Pass	Pass	Pass
Four-Ball Wear, mm	ASTM D 4172	0.4	0.4	0.38	0.35
Foaming Characteristics	ASTM D 892				
Sequence I		10/0	8/0	12/0	10/0
Sequence II		6/0	8/0	8/0	12/0
Sequence III		8/0	6/0	10/0	8/0
Water Separability	ASTM D 1401	40-40-0 (20)	40-40-0 (20)	40-40-0 (20)	40-40-0 (20)
FZG Rating, Fail Load Stage	DIN 51354	12+	12+	12+	12+
NSF Registration No. / Category Code		In Process	154602/H1	154603/H1	154604/H1



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