

## No-Tox HD Food Grade Oil

No-Tox HD Food Grade Oil, commonly known as No-Tox HD Oil, is a series of multipurpose white mineral lubricating oils. No-Tox HD Food Grade Oil, available in 10 grades from ISO VG 15 to 460, is designed to give exceptional anti-wear, rust and corrosion protection in a wide range of applications including hydraulic systems, gear cases, chains, compressors, bearings and circulating systems and other applications found in the “clean” industries such as food, beverage, pharmaceutical and personal care products.

No-Tox HD Food Grade Oil, formulated with the highest quality USP white mineral oils and food grade additives, meets NSF H1 and FDA requirements for materials that may have incidental contact with food as defined under Title 21 CFR, 178.3570. It is Kosher and Pareve approved, as well as Halal certified. ISO 21469 certified food grade lubricant.



Nonfood Compounds  
H1 Registered,  
ISO 21469 Certified

### APPLICATIONS

- Suitable for multi-service applications
- Hydraulic pumps, motors, actuators
- Compressors and vacuum pumps
- Enclosed gears including spur, bevel, and worm gears
- Circulating systems, chains, bearings, spindles, joints, and others

### PRODUCT FEATURES

- NSF H1 registered and ISO 21469 certified
- Kosher and Pareve approved
- Halal certified
- Bacteriological protection
- Excellent anti-wear properties
- High demulsibility
- Rust and oxidation protection

### BENEFITS

- Use where incidental food contact may occur
- Effectively inhibits the growth of certain bacteria, yeast and mold in the lubricant
- Excellent equipment protection
- Excellent water separability
- Long, trouble-free service life

#### DISTRIBUTED BY:

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# TECHNICAL DATA SHEET



Typical Physical Properties						
Property	Test Method	15	22	32	46	68
Viscosity @ 40°C, cSt	ASTM D445	14.6	21.3	32.4	45.9	67.1
Viscosity @ 100°C, cSt	ASTM D445	3.33	4.21	5.42	6.81	8.74
Viscosity Index	ASTM D2270	96	100	101	102	102
Pour Point, °C (°F)	ASTM D97	-18 (0)	-18 (0)	-18 (0)	-18 (0)	-18 (0)
Copper Strip Corrosion	ASTM D130	1A	1A	1A	1A	1A
Rust Test	ASTM D665	Pass	Pass	Pass	Pass	Pass
Foam Test Sequence I, II, III, ml/ml	ASTM D892	Nil	Nil	Nil	Nil	Nil
Falex EP Test Non-seizure Load, lbf	ASTM D3233	1500	1500	1500	1500	1500
4-Ball Wear Scar Diameter, mm	ASTM D4172	0.4	0.4	0.4	0.4	0.4
Vickers Total Mass Loss, mg	ASTM D7043	<15	<15	<15	<15	<15
FZG Visual Test Failure Load Stage	ASTM D5182	--	--	--	--	--
Specific Gravity	ASTM D1298	0.851	0.86	0.862	0.866	0.872
Color		Water -white	Water -white	Water -white	Water -white	Water-white

Property	Test Method	100	150	220	320	460
Viscosity @ 40°C, cSt	ASTM D445	104	151	228	318	452
Viscosity @ 100°C, cSt	ASTM D445	11.7	15.5	20.5	26.6	35.8
Viscosity Index	ASTM D2270	100	105	105	110	119
Pour Point, °C (°F)	ASTM D97	-15 (5)	-15 (5)	-15 (5)	-14 (7)	-14 (7)
Copper Strip Corrosion	ASTM D130	1A	1A	1A	1A	1A
Rust Test	ASTM D665	Pass	Pass	Pass	Pass	Pass
Foam Test Sequence I, II, III, ml/ml	ASTM D882	Nil	Nil	Nil	Nil	Nil
Falex EP Test Non-seizure Load, lbf	ASTM D3233	1500	1750	1750	1750	1750
4-Ball Wear Scar Diameter, mm	ASTM D4172	0.4	0.4	0.4	0.4	0.4
Vickers Total Mass Loss, mg	ASTM D7043	--	--	--	--	--
FZG Visual Test Failure Load Stage	ASTM D5182	12+	12+	12+	12+	12+
Specific Gravity	ASTM D1298	0.874	0.879	0.882	0.88	0.888
Color		Water-white	Water-white	Water-white	Water-white	Water-white

\* Vickers Total Mass Loss (ASTM D7043) concerns only light viscosity oils used in hydraulics

\*\* FZG Load Stage (ASTM D5182) concerns only heavier viscosity oils used for gear lubrication

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