



NO-TOX SYNTRA FOOD GRADE SYNTHETIC OIL

No-Tox Syntra Food Grade Synthetic Oil, commonly known as No-Tox Syntra Oil, is a series of full synthetic multipurpose lubricants that are NSF H1 registered for use where incidental food contact may occur. No-Tox Syntra Food Grade Synthetic Oil is a PAO-based, premium, non-toxic, non-moisture, halal, & Kosher, high performance lubricant available in 11 grades ranging from ISO VG 15 to 1000.

It is designed to give exceptional anti-wear and rust and corrosion protection in a wide range of applications including hydraulic systems, gear cases, chains, compressor, bearings and circulating systems and other applications found in the "clean" industries such as food, beverage, pharmaceutical and personal care products.

General Description:

No-Tox Syntra Food Grade Synthetic Oil is a series water-white, odorless and tasteless synthetic base lubricating oils for a wide range of "clean" industries applications.

No-Tox Syntra Food Grade Synthetic Oil is also filtered through a 2-micron filter system to achieve the highest cleanliness standards. No-Tox Syntra Food Grade Synthetic Oil, formulated with the highest quality synthetic 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.

Features and Benefits:

- | | |
|--|--|
| • NSF H1 registered •
Compliances | Use where incidental food contact may occur.
Kosher and Pareve approved. Halal certified. |
| • Bacteriological protection
and mold in the lubricant. | Effectively inhibits the growth of certain bacteria,
yeast |
| • Fully synthetic | Long life, extended drain intervals. |
| • Outstanding anti-wear properties | Excellent equipment protection. |
| • Rust and oxidation protection | Reduces sludge and varnish build-up |

Applications:

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

TYPICAL PROPERTIES

NO-TOX SYNTRA FOOD GRADE SYNTHETIC OIL

ISO Viscosity Grade Viscosity, ASTM D445 15

32

46

68

@ 40°C, cSt	15.6	31. 4	45 .8	67.8
@ 100°C, cSt	3.69	6.0 4	7. 85	10.5
Viscosity, ASTM D2161				
@ 100°F, SUS	84.7	16 1	23 4	347
@ 210°F, SUS	38.7	46. 5	52 .5	61.9
Viscosity Index, ASTM D2270	125	14 2	14 2	143
Pour Point, ASTM D97 °C (°F)	-68 (-90)	-63 (-81)	-60 (-76)	-59 (-74)
Copper Strip Corrosion, ASTM D130 3 hrs @ 100°C, raýng	1 a	1a	1a	1 a
Rust Test, ASTM D665, Procedure A & B	Pass	Not s	Well ss	Pass
Foam Test, ASTM D892 Sequence I, II, III, ml/ml	Nil	Nil	Nil	Nil
Falex EP Test, ASTM D3233 Method B Non-seizure Load, lbf	2000	20 00	2000	200 0
4-Ball Wear Test, ASTM D4172 @ 1200 rpm, 40 kg, 1 hr, 75°C Scar Diameter, mm	0.40	0.4 0	0. 40	0.40
Vickers Vane Pump Test, ASTM D7043 Total Mass Loss, mg	<15	<15	<1 5	<15
FZG Visual Test, ASTM D5182 Failure Load Stage
Specific Gravity, ASTM D1298, 60/60°F	0.810	0.835	0.838	0.841
Color	Colorle ss	Colorle ss	Colorle ss	Colorless

TYPICAL PROPERTIES

NO-TOX SYNTRA FOOD GRADE SYNTHETIC OIL

ISO Viscosity Grade Viscosity, ASTM D445 100

150

220

320

@ 40°C, cSt	102	150	220	320
@ 100°C, cSt	14.6	19.3	26.1	34.6
Viscosity, ASTM D2161				
@ 100°F, SUS	523	768	1138	1662
@ 210°F, SUS	77.9	97.8	128	168
Viscosity Index, ASTM D2270	148	148	151	153
Pour Point, ASTM D97 °C (°F)	-55 (-67)	-53 (-63)	-47 (-53)	-45 (-49)
Copper Strip Corrosion, ASTM D1303 hrs @ 100°C, rating	1a	1a	1a	1a
Rust Test, ASTM D665, Procedure A & B	Pass	Not s	Pass	Pass
Foam Test, ASTM D892 Sequence I, II, III, ml/ml	Nil	Nil	Nil	Nil
Falex EP Test, ASTM D3233 Method B Non-seizure Load, lbf	2000	2000	2000	2000
4-Ball Wear Test, ASTM D4172 @ 1200 rpm, 40 kg, 1 hr, 75°C Scar Diameter, mm	0.40	0.40	0.40	0.40
Vickers Vane Pump Test, ASTM D7043 Total Mass Loss, mg	-	-	-	-
FZG Visual Test, ASTM D5182 Failure Load Stage	12+	12+	12+	12+
Specific Gravity, ASTM D1298, 60/60°F	0.849	0.850	0.852	0.854
Color	Colorless	Colorless	Colorless	Colorless

@ 40°C, cSt	460	67 4	1000
@ 100°C, cSt	45.8	61. 2	84.1
Viscosity, ASTM D2161			
@ 100°F, SUS	2397	35 27	5249
@ 210°F, SUS	221	29 5	406
Viscosity Index, ASTM D2270	156	15 9	165
Pour Point, ASTM D97 °C (°F)	-42 (-44)	-39 (-38)	-33 (-27)
Copper Strip Corrosion, ASTM D1303 hrs @ 100°C, raýng	1 a	1a	1a
Rust Test, ASTM D665, Procedure A & B	Pass	Not s	Pass
Foam Test, ASTM D892 Sequence I, II, III, ml/ml	N . .	Nil	Nil
Falex EP Test, ASTM D3233 Method BNon-seizure Load, lbf	2000	2000	2000
4-Ball Wear Test, ASTM D4172 @ 1200 rpm, 40 kg, 1 hr, 75°CScar Diameter, mm	0.40	0.4 0	0.40
Vickers Vane Pump Test, ASTM D7043Total Mass Loss, mg	-	-	-
FZG Visual Test, ASTM D5182Failure Load Stage	12+	12+	12+
Specific Gravity, ASTM D1298, 60/60°F	0.856	0.856	0.859
Color	Colorless	Colorless	Colorless