



Synlube Food Machinery Oil

NSF H-1 approved



SYNLUBE FOOD MACHINERY OILS are fully synthetic, H-1 approved, bearing and gear oils formulated from synthesized hydrocarbon base stocks and additives that enhance oxidation stability and provide exceptional protection against rust and corrosion. SYNLUBE FM OIL also contains effective extreme pressure and antiwear agents to minimize wear. These high viscosity index, low traction coefficient oils provide exceptional performance under severe conditions over a wide range of temperatures. Their outstanding oxidation resistance allows for greatly extended drain intervals compared to conventional mineral oils.

FEATURES AND BENEFITS

- Outstanding antiwear properties.
- Exceptional long-life performance.
- Excellent oxidation resistance.
- Superior rust and corrosion protection.
- Low traction coefficient saves energy.
- High viscosity index for wide temperature ranges and low pour point applications
- ISO VG 32, 46, 68, 100, and 220 are NSF H-1 Certified.
- Complies with NSF/FDA Section 21 CFR 178.3620(b) and 21 CFR 178.878.
- Miscible with conventional mineral oils.
- Certified Kosher and Pareve for Passover.
- Certified Crescent M Halal.

APPLICATIONS/RECOMMENDED PERFORMANCE SPECIFICATIONS

- Enclosed gear drives of all types with either splash or circulating system and food processing plants requiring NSF H-1.
- Extreme low or high temperature operating conditions.
- Long-life lubricants for initial fill of sealed lube systems.

Synlube Food Machinery Oil	Typical Characteristics							
ISO Grade	32	46	68	100	150	220	320	460
Gravity, °API	39.3	39.0	37.5	36.0	34.8	33.7	32.8	31.9
Flash Point, °F	469	507	507	514	500	482	473	455
Pour Point, °F Max.	<-40	<-40	<-40	-40	-35	-30	-25	-20
Viscosity								
SUS @ 100°F	152	218	345	508	760	1100	1637	2658
SUS @ 210°F	45.6	52	65	76	96	112	141	188
cSt @ 40°C	30.12	46.45	74.62	109.8	163.9	215.7	310.0	477.3
cSt @ 100°C USP	5.78	7.76	11.20	14.24	18.80	22.50	28.70	38.68
Viscosity Index	137	136	141	131	130	127	125	125
Rust Test, ASTM D665	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
FZG Spur Gear Test Fail Stage	11	11	11	12+	12+	12+	12+	12+
Color, ASTM D-1500	.5	.5	.5	.5	.5	.5	.5	.5
Foam Seq. 1	25	25	25	25	25	25	25	25

Note: All grades EXCEPT 150 & 320 are NSF H-1 approved. 220 and 460 are NSF H-2 approved.