

## PRODUCT DATA SHEET



# S-NT-GO SERIES FOOD GRADE GEAR OIL

## PRODUCT DESCRIPTION

Sentinel's Non-Toxic Gear Oil Series are specially compounded non-toxic, water white, tasteless, odorless, blend of USP fluid treated with synthetic compounds to produce a multi-purpose gear lubricant formulated to provide superior film strength and extreme pressure properties. They are anti-wear, anti-leak, anti-foam gear oils. They can be used in all types of enclosed gear mechanisms.

Non-Toxic Gear Oil Series is fortified with a special food grade polymer, to impart tackiness and adhesiveness, which adheres strongly to assure a tenacious lubricant film.



The Non-Newtonian behavior of these lubricants have shown greater reduction in friction and wear due to maintaining greater film thickness on gear teeth, thereby reducing amperage consumption, as well as reducing frictional heat.

Non-Toxic Gear Oil Series meets all the FDA requirements for qualification as a white mineral oil (FDA Regulation 21 CFR 172.878) and means that the fluid maybe used in lubricants for incidental contact with food as specified in 21 CFR 178.3570. This regulation qualifies lubricants as a candidate for NSF rating H-1 for incidental food contact in meat and poultry plants. The additives used in formulating Non-Toxic Gear Oil Series also meet all the requirements under Regulation 21CFR 178.3570.

TO ORDER OR FOR ADDITIONAL INFORMATION

## QUALITY WITHOUT QUESTIONS!

SENTINEL LUBRICANTS CORP.  
P.O. BOX 69-4240 MIAMI, FLORIDA 33269-1240  
15755 NW 15<sup>TH</sup> AVENUE MIAMI, FLORIDA 33169-5603  
PH.(305) 625-6400 (800)842-6400 FAX(305) 625-6565  
WWW.SENTINELSYNTHETIC.COM



# S-NT-GO SERIES FOOD GRADE GEAR OIL

## TYPICAL CHARACTERISTICS

<u>NON TOXIC GEAR OIL</u>	<u>75</u>	<u>80</u>	<u>75/80</u>	<u>75/90</u>	<u>80/90</u>	<u>90</u>	<u>90/140</u>	<u>140</u>	<u>250</u>	<u>ASTM METHOD</u>
ISO Viscosity Grade	32	46	68	100	150	220	320	460	680	D- 2422
AGMA Lubricant Number		1EP	2EP	3EP	4EP	5EP	6EP	7EP	8EP	
Viscosity cSt @ 100°C	6	8	10	14	18	23	29	37	48	D- 445
@ 40°C	32	46	68	100	150	220	320	460	680	D- 445
Viscosity Index	133	146	131	142	124	124	124	124	124	D- 2270
Pour Point °C (°F)	-48(-55)	-46(-50)	-43(-45)	-40(-40)	-37(-35)	-34(-30)	-32(-25)	-29(-20)	-26(-15)	D- 97
Flash Point °C (°F)	231(448)	233(451)	236(457)	249(480)	250(482)	254(490)	270(518)	280(535)	280(535)	D- 92
Foam Sequence I, II, III	-----Pass-----									D- 892
Demulsibility 82°C	-----40/40/0(30)-----									D- 1401
Four Ball Wear, mm 40kg, 1200 rpm, 75°C (1hr)	-----34-----									D- 2266
Copper Corrosion 121°C(250°F), 3 hrs	-----1a-----									D- 130
Rust Test	-----Pass-----									D-665AB
Gear Test, FZG, SPUR, Stage Pass	-----12+-----									
Timken OK Load kg/(lb)	-----45+(100)-----									D- 2509
Food Grade Status	-----H-1-----									NSF
NSF Registration	130827	130828	130835	130834	130833	130832	130831	130830	130829	
<b>PIN#</b>	<b>07525</b>	<b>07520</b>	<b>07515</b>	<b>07510</b>	<b>07518</b>	<b>07522</b>	<b>07500</b>	<b>07505</b>	<b>07530</b>	

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