

747S

Syn-O-Gen

Synthetic Industrial Gear Lubricant

DESCRIPTION:

Syn-O-Gen 747-S is an extreme-pressure synthetic hydrocarbon industrial gear lubricant designed to meet and exceed all industrial gear lubricant specifications and provide superior extreme-pressure protection and long life in a wide range of industrial applications.

COMPOSITION:

Syn-O-Gen 747-S contains a sulfur phosphorus-performance package consisting of extreme-pressure additives, demulsifiers, and rust, corrosion, and oxidation inhibitors in polyalphaolefin (PAO) synthetic hydrocarbon basestocks.

PERFORMANCE CHARACTERISTICS:

Meets and exceeds the following industrial performance requirements:

- US Steel 224
- AGMA 250.04
- DIN 51517 Part 3
- David Brown ET 33/80
- API GL-4

BENEFITS:

- Extra-high load carrying ability
- Reduced wear in critical applications
- Adhesive - cohesive property
- Prevents rust
- Will not mix with water
- Non-corrosive to yellow metals
- Superior oxidation stability
- Extends equipment life
- Extends service intervals
- Reduces power consumption

TYPICAL SPECIFICATIONS:

AGMA Grade	4 EP	5 EP	6 EP	7 EP	8 EP	8A EP	
ISO Grade	150	220	320	460	680	1000	1500
Specific Gravity	.863	.863	.868	.870	.876	.887	.887
Viscosity:							
cSt @ 40° C	160	215	310	480	659	1015	1450
cSt @ 100°C	19.6	24.3	31.2	42.5	53.1	75.2	116.5
Viscosity Index	141	141	139	139	139	147	176
Pour Point, ° C	-30	-28	-25	-24	-22	-15	-13
Flash Point (min.), ° C	220	220	220	220	220	220	220



SYNTHETIC LUBRICANTS

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PERFORMANCE TEST DATA:

Test	Procedure	Result
Copper Corrosion	D 130	1A
Timken OK Load, lbs.	D 2266	52
4 Ball EP:	D 2783	
Weld Point, kg.		315
LWI, kg.		72
FZG Load Stages	DIN 51354 Part 2	13
Demulsibility:	D 2711	
Free Water		83
Water in Oil (%)	0.5	
Emulsion, ml		0.1
Turbine Oil Rust	D 665	
A - Distilled Water		Pass
B - Synthetic Sea Water		Pass
Oxidation Test:	U.S. Steel	
Viscosity Increase (%)		1.5