

743 Syn-O-Gen EP 75W140 Gear Lubricant

DESCRIPTION:

743 Syn-O-Gen EP 75W140 is 100% pure synthetic GL-5 gear lubricant for heavy-duty extreme pressure performance in all types of gear drives and specifically for automotive gears.

COMPOSITION:

743 Syn-O-Gen is compounded using a synthetic basestock, utilizing PAO as this base, which has a high viscosity index and exceptionally low pour point. This lubricant contains extreme pressure additives, as well as rust, oxidation and corrosion inhibitors to protect gears and bearings operated under a wide variety of load conditions.

PERFORMANCE CHARACTERISTICS:

743 Syn-O-Gen outperforms conventional gear lubricants to promote longer gear life and better operating economy. Some of the major advantages are:

Increased gear life - 743 Syn-O-Gen's extreme pressure (EP) performance results in longer gear life by providing extremely high film strength and superior low-temperature performance. It also has anti-rust and anti-corrosion properties to further promote extended gear and bearing life. This lubricant exhibits excellent demulsibility and shear stability.

Better operating performance - As a result of the superior lubricating properties of Syn-O-Gen EP, improved fuel mileage is increased. When used in manual transmissions, sub-zero shifting is much easier.

Extended drain, all-season lubrication - With extremely low channel points and high viscosity indices, 743 Syn-O-Gen provides excellent performance over a broad temperature range. Further, since Syn-O-Gen EP resists oxidation, it will last significantly longer than conventional gear oils.

Reduced maintenance and down-time - All of the foregoing advantages of Syn-O-Gen EP translates directly into reduced maintenance and less down-time.

USES:

743 Syn-O-Gen meets and exceeds the following performance requirements:

API Classification GL-5/MT-1	SAE J2360
Arvin Meritor/ Rockwell International 0-76-M	Mack Truck GO-J
Scania STO 1:0/2:0A	MIL-L-2105E
ZF TE-ML 05B/12B/07A/16F/19C/21B	

APPLICATIONS:

743 Syn-O-Gen EP is recommended for applications where heat and wear present major problems. These applications include manual transmissions where EP type lubricants are recommended, differentials including limited slip, and transfer cases for heavy equipment, trucks, tractors and industrial gear drives. Automobiles light-duty trucks and farm machinery are other potential uses of Syn-O-Gen EP Lubricants.



SYNTHETIC LUBRICANTS

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TYPICAL SPECIFICATIONS:

Property	Product Data	Test Method
SAE Grade	75W-140	SAE J306
Viscosity, cSt		ASTM D-445
100°C	25	
40°C	185	
Viscosity Index	168	ASTM D-2270
Pour Point, °C	-46	ASTM D-97
Foam Test		ASTM D-892
Sequence I	pass	
Sequence II	pass	
Sequence III	pass	
API Gravity, 15.6/15.6°C	31.7	ASTM D-287
Density, g/l (lbs./gal.), 15.6°C	865 (7.22)	
Copper strip corrosion		ASTM D-130
3 hrs. at 100°C	pass	
3 hrs. at 121°C	pass	
Timken OK Load	40	
Demulsibility	pass	Wheeling Steel Test