



SYNTHETIC
LUBRICANTS

793 Syn-O-Gen

Synthetic Motor Oil

SAE 5W-40

API CK-4/SN

DESCRIPTION:

793 Syn-O-Gen is a fully formulated CK-4/SN heavy duty universal motor oil. Due to its 5W-40 viscosity grade, 793 Syn-O-Gen meets and greatly exceeds many heavy duty diesel engine requirements for multigrade engine oil. A full synthetic motor oil, Syn-O-Gen is vastly superior to partial synthetics.

COMPOSITION:

793 Syn-O-Gen is a full PAO synthetic heavy duty diesel motor oil utilizing 100% synthesized Group IV PAO along with polymers. It is fully compatible with all conventional mineral oil-based motor oils. 793 Syn-O-Gen is fortified with a high retention TBN additive package encompassing highly effective dispersants, making it suitable for many diesel engines where 15W-40 is required. Its low volatility compared to conventional light neutral based oils greatly reduces oil consumption. The high detergency, highly shear stable viscosity index improves plus the exceptional oxidation and thermal stability extensively prevents deposits and oil breakdown making extended drain intervals possible. Better fuel economy gains are achievable due to the highly specialized full PAO synthetic base oils used when compared to conventional mineral based engine oils. Special anti-wear additives blended in superior lubricating basestocks plus super engine cleanliness spells elimination of most wear and reduction of maintenance.

793 Syn-O-Gen is formulated for extreme cold temperature as well as extreme high temperature service. Its 5W viscosity at low temperatures allows it to replace many conventional 5W-30, 10W-30, and 15W-40 oils in diesel as well as gasoline engines.

**PERFORMANCE
CHARACTERISTICS:**

Meets and exceeds the following performance categories and/or specifications (suitable for use):

- API CK-4/SN
- ACEA E9-2016
- Caterpillar CAT ECF-3
- Cummins CES20081
- Detroit Diesel DDC93K218
- Mack EO-O PP
- Daimler MB 228.31
- Deutz DQC III-10 LA, III-18 LA
- MAN M3575 (obsolete)
- MTU Type 2.1
- Renault RLD-3
- Volvo VDS 4
- Extended Drain Intervals
- Less Oil Consumption
- Less Wear
- Reduces Maintenance
- Suitable for Mixed Fleets
- Wider Operating Temperature Range
- High RPM "Turbo" Performance



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793 Syn-O-Gen Synthetic Motor Oil SAE 5W-40, API CK-4/SN

USES:

- Heavy Duty Diesel Engines
- Desert Service
- Gasoline Engines
- Arctic Service
- Turbo/Racing Engines

APPLICATIONS:

- Fleets
- Nonroad Engines
- Construction
- Agriculture
- Drilling Rigs
- Stationary Engines
- Heavy Duty Trucks
- Industrial uses
- Earth Moving & Mining

TYPICAL SPECIFICATIONS:

Description	SAE Grade 5W-40 Value
Kinematic Viscosity, ASTM D445 cSt @ 100°C	15
Viscosity Index	145
Foaming, Sequence: I, II, III, ASTM D892	Pass
Low Temperature Cranking, ASTM D 5293 cP @ -35°C, min.	6200
cP @ -30°C, max.	6600
Pour Point, °C (typical max, °C)	-45 (-40)
Flash Point, ASTM D92, °C	>210
Sulfated Ash, % wt. max	1.0
Appearance	Amber Liquid
High Temperature/High Shear, mPa•s, min., ASTM D4683	> 3.7
TBN	8