

793 Syn-O-Gen

Synthetic Motor Oil

SAE 5W-40

API CK-4/SP

DESCRIPTION:

793 Syn-O-Gen is a fully formulated CK-4/SP 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. Primrose's exclusive Moly-D® anti-Wear additives are 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 CK4/SP	ACEA E7-16, E9-16	Allison TES439*
Cat ECF-3, ECF-2, ECF-1a	DDC 93K223/93K22LA	Daimler Trucks DTFR 5C100
Cummins CES 20086/20087/20100	Deutz DQC III-18-LA	(ex MB 228.31)
DHD-1	JASO DH-2	China D1
Mack EOS 4.5	MAN 3775	
MB 228.31	MIL-PRF-21041-1	
MTU Cat Type 2.1	Navistar	
Renault RLD-4	Volvo VDS-4.5	
	Ford WSS-M2C171-F1	

- ☐ 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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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

Kinematic Viscosity, ASTM D445

cSt @ 100°C

Viscosity Index

Foaming, Sequence: I, II, III, ASTM D892

Low Temperature Cranking, ASTM D 5293

cP @ -35°C, min.

cP @ -30°C, max.

Pour Point, °C (typical max, °C)

Flash Point, ASTM D92, °C

Sulfated Ash, % wt. max

Appearance

High Temperature/High Shear,

mPa•s, min., ASTM D4683

TBN

SAE Grade 5W-40 Value

15

145

Pass

6200

6600

-45 (-40)

>210

1.0

Amber Liquid

> 3.7

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