

792 Syn-O-Gen

Synthetic Motor Oil

SAE 5W-40

API CJ-4, CI-4 PLUS, CI-4, CH-4/SM

DESCRIPTION:

792 Syn-O-Gen is a fully formulated CJ-4, CI-4 PLUS, CI-4, CH-4/SM heavy duty universal motor oil. Due to its 5W-40 viscosity grade, 792 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:

792 Syn-O-Gen is a full synthetic heavy duty diesel motor oil utilizing 100% synthesized Group IV PAO along with synthetic base stocks and polymers. It is fully compatible with all conventional mineral oil-based motor oils. 792 Syn-O-Gen is fortified with a high detergent 10 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 improvers plus the exceptional oxidation and thermal stability extensively prevents deposits and oil breakdown making extended drain intervals up to 60,000 miles (*1) possible. Better fuel economy gains are achievable due to the highly specialized full synthetic base oils used when compared to conventional mineral based engine oils (*2). Special anti-wear additives blended in superior lubricating basestocks plus super engine cleanliness spells elimination of most wear and reduction of maintenance.

792 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 most conventional 5W-30, 10W-30, and 15W-40 oils in gasoline as well as diesel engines.

PERFORMANCE CHARACTERISTICS:

Meets and exceeds the following performance categories and/or specifications:

- Caterpillar ECF-3, ECF-2
- Volvo VDS-4
- Cummins CES 20081
- Global DHD-1
- Mack E O-N Premium Plus 03
- Mack E O-O Premium Plus
- Mack E O-M
- Mack E O-M Plus
- MB 228.31, 228.3
- Renault RLD-3
- JASO DH-2
- MAN 3575
- MTU Type 2 & 1
- DDC 93K218, 93K215, 93K214
- ACEA E9-08

Suitable for Use:

Allison C-4

- Extended Drain Intervals (*1)
- Less Oil Consumption
- Less Wear
- Better Fuel Economy (*2)
- 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	SAE Grade 5W-40 Value
Kinematic Viscosity, ASTM D445	
cSt @ 100°C	15
Viscosity Index	178
Foaming, Sequence: I, II, III, ASTM D892	Pass
Low Temperature Cranking, ASTM D 5293	
cP @ -35°C, min.	6200
cP @ -30°C, max.	6600
Pumpability Viscosity, ASTM D 4684	
cP @ -35°C, (max)	20,000 (60,000)
Pour Point, °C (typical max, °C)	-45 (-40)
Flash Point, ASTM D92, °C	210
Noack Volatility	
Evap Loss @ 250°C, max	13.0
Sulfur, % wt., ASTM D4951	0.3
Sulfated Ash, % wt. max	1.0
Appearance	Amber Liquid
High Temperature/High Shear, mPa•s, min., ASTM D4683	> 3.7

Extended Drain Intervals (*1):

See No. 792 – *Extended Drain Intervals Technical Bulletin* regarding extended drain intervals in unaltered factory engines calling for API CJ4.