TRIPTON® 5W30, 10W30, 10W40, 15W40, 20W50
Passenger Car and Light Duty Diesel ENGINE OILS

DESCRIPTION:
TRIPTON Motor Oils meet the automotive manufacturer's requirements of SM, SL and SL/CF requirements for use in passenger car and light duty diesel engine applications.
TRIPTON Motor Oils show improved high temperature deposit control, oil consumption and improvements in fuel economy. The 5W30, 10W40 have a better low-temperature pumpability and lower volatility when compared with motor oils meeting other API classifications.
Grades 5W-30 and 10W-30 are semi-synthetic motor oils.

FEATURES/BENEFITS:
TRIPTON Motor Oils, through the use of highest quality base stocks and up to date additive technology, are formulated to provide the highest levels of equipment protection available.
TRIPTON Motor Oils provide:

- Excellent Fuel Economy.
- Excellent volatility for low oil consumption.
- Excellent protection from deposits at all operation temperatures.
- Excellent anti-wear, anti-foam, bearing corrosion and anti-rust protection.
- Excellent cold cranking capabilities.

APPLICATIONS:
TRIPTON Motor Oils may be recommended for the following uses:

- When CF, SM, SL, SJ, SH, SG, SF, SE, SD, or SC oils are required.
- Meets car manufacturers' requirements.
- Resource Conserving motor oil (5W30, 10W30)

TRIPTON Motor Oils are available in 5 multi-viscosity grades to comply with most passenger car and light duty truck engine applications.

The "W" grade designation means that these products meet the low temperature requirement of that grade. The 30, 40 and 50 portions of the name indicate the grade of normal operating temperatures and should be the primary basis of product recommendations.

Physical and Chemical Properties

Property	ASTM Methods	Values	Values	Values	Values	Values
SAE Grade	-	5W30 semi-synthetic	10W30 semi-synthetic	10W40	15W40	20W50
API Service	-	SM	CF	SL	SL/CI4	SL/CF
Density @ 15 °C/ CC/g	D1298	> 0.840	> 0.840	> 0.870	> 0.870	> 0.870
Viscosity Index	D2270	> 160	> 150	> 140	> 135	> 125
Viscosity @ 40 °C ; cSt	D445	> 66	> 70	> 112	> 115	> 173
Viscosity @ 100 °C ; cSt	D445	> 11.0	> 11.0	> 15.0	> 15.0	> 19.0
Low Temperature Viscosity, cSt	D445	< 60000 @ -35	< 60000@ -30	< 60000 @ -30	<60000@ -25	<60000@ -20
Pour Point °C	D97	< -40	< - 35	< -30	< -27	< -25
Flash Point (COC) °C	D92	> 210	> 210	> 220	> 220	> 230
Foaming Seq I Seq II Seq III	D892	 10/0 50/0 10/0	 10/0 50/0 10/0	 10/0 50/0 10/0	 10/0 50/0 10/0	 10/0 50/0 10/0
Shearing Stability Vis. (SSI) 3hrs@ 100 °C after 30 cyc, min	D7109	9.3	9.3	12.5	12.5	16.3
Evaporation Loss (Noak Weight loss after 1hrs at 250°C) max	D5800	20	20	18	18	16
TBN mg KOH/g	D2896	> 10.0	> 12.0	> 10.0	> 13.0	> 12.0
Zinc Content %w	D4628	> 0.1	> 0.1	> 0.1	> 0.1	> 0.1
Sulfated Ash %w	D874	> 1.3	> 1.3	> 1.3	> 1.3	> 1.3

The above values may vary within commercially accepted tolerances.