



# eni i-Sigma top 4AM

**i-Sigma top 4AM** is a premium full synthetic heavy-duty diesel engine oil designed to provide maximum performance and protection in combination with improved fuel economy over conventional heavy-duty 15W-40 engine oils.

**i-Sigma top 4AM** is recommended for use in virtually all modern low emission diesel engines as well as older 4 stroke diesel engines.

## TYPICAL CHARACTERISTICS

SAE GRADE	5W-40
Viscosity @ 40 °C, cSt	88
Viscosity @ 100 °C, cSt	14.7
Viscosity Index (Min.)	175
Pour Point, °C	-42
MRV TP-1 Viscosity @ -35C, cP	27,600
HTHS Viscosity, 150C, cP	3.92
NOACK Volatility, loss @245.2°C, mass%	12.5
TBN	10
Cold Crank Simulator@-30°C, cP	6570
Sulfated Ash, % Mass	1.0

### Meets Or Exceeds The Following Performance Levels:

- API CJ-4/SM;
- Mack EO-O PP & EO-N PP 03;
- Volvo VDS-4;
- Renault RLD-3; MB p228.3 and p228.31;
- Cummins CES 20081;
- Detroit Diesel Power Guard 93K218, 93K215, 93K214;
- Caterpillar ECF-2 and 3;
- MAN; MTU Type 1 & II test requirements;
- Global DHD-1

## FEATURES AND BENEFITS

- **Improved Fuel Economy** Use of SAE 5W-40 heavy duty engine oils such as i-Sigma Top 4AM have been shown to be capable of contributing up to 1% improvement in laboratory tests when compared to conventional 15W-40 oils.
- **Improved Wear Performance** when compared to API CI-4+ motor oils
- **Year Round Protection** Synthetic base oils provide outstanding low temperature pumpability and maintain viscosity in high temperature service
- **Meets API SM** for gasoline applications

### PACKAGING AVAILABLE: Bulk, Totes, Drums, Pails

Due to continual research and development, the information contained herein is subject to change without notice. Always follow manufacturers' recommendations for lubricant performance, viscosity grade and oil change interval as these may vary depending on ambient temperature, fuel composition, model year and environment of operation.