



LUBRICANTS



# Product Data Sheet

## Gulf Super Duty Select XSD

### *Extreme Duty, Synthetic Blend Diesel Engine Oil*

Uniquely formulated to provide advanced protection and performance in harsh operating conditions, regardless of the type of diesel engine or emission configuration. This premium quality synthetic blend heavy duty engine oil has been boosted with **EXTRA** performance additives that provide enhanced wear, corrosion, varnish and soot protection beyond conventional 15W-40 engine oil. The advanced formulation is designed for severe duty operations that would include heavy loads, steep inclines, stop and start and extended idle often found in mining, transportation, agriculture, construction and waste hauling operations.

### Features and Benefits

- Maintains critical film thickness over extensive use promoting extended drains
- Enhanced fuel economy, engine wear protection, excellent oxidation resistance
- Synthetic base oils impart exceptional performance, piston deposit control, turbocharger protection
- Improved low temperature flow and pumpability when compared to conventional engine oils
- Surpasses new *Caterpillar Engine Oil Foam Testing*, proven to reduce air bubbles for excellent performance in severe duty off-road equipment and hydraulic valve-train actuation

### Approvals

- API Service: CK-4

### Applications

- Modern on-highway low emission engines
- Older API Service : API CJ-4, CI-4 Plus, CH-4
- Renault VI RLD-4
- ACEA E6/E9
- Ford WSS-M2C171-F1
- Caterpillar ECF-3, ECF-2
- Cummins CES 20086
- Detroit Diesel (DFS) DDS93K222
- Construction equipment, agriculture, marine, earthmoving and mining
- Off-highway diesel engines
- Mack EOS 4.5, EO-0
- MTU MTL 5044 Type 2.1
- International (Navistar) diesel engines
- Paccar
- Mercedes 228.31
- Volvo VDS-4.5, VDS-4
- Diesel engines manufactured by OEMs not listed above, where the OEM specifies API CK-4 or CJ-4 engine oil



1-800-566-4853



Tulsa, OK 74133



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## Typical Properties

| SAE Grade                         | Test Method | 15W-40        |
|-----------------------------------|-------------|---------------|
| Product Code                      |             | 331339        |
| API Service                       |             | CK-4          |
| Specific Gravity @ 60°F           |             | 0.875         |
| Density, lbs/gal @ 60°F           |             | 7.29          |
| Viscosity, cSt @ 40°C             | ASTM D-445  | 115.0         |
| Viscosity, cSt @ 100°C            | ASTM D-445  | 15.5          |
| Viscosity Index                   | ASTM D-2270 | 142           |
| CCS Viscosity, cP, at Temperature | ASTM D-5293 | 5,200 @ -20°C |
| Color                             | ASTM D-1500 | L3.5          |
| Pour Point, °F                    | ASTM D-5949 | -40           |
| Flash Point, COC, °F (°C)         | ASTM D-92   | 450 (232)     |
| TBN                               | ASTM D-974  | 10.0          |

Note: Values shown are typical values only and do not constitute a specification and may vary within modest ranges. Always confirm with the original manufacturer's recommendation for proper equipment operating requirements.

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