

## 229 Odyssey 3000

### Synthetic Blend Moly Motor Oil

API CJ-4/SN SAE 15W-40

#### DESCRIPTION:

Odyssey 3000 is a high performance, heavy duty synthetic blend moly motor oil. Odyssey 3000 gives multigrade performance for all seasons and all temperatures. It meets and exceeds the API performance category for heavy duty diesel engines and meets and exceeds API performance categories for gasoline engines. Odyssey 3000 meets and exceeds most engine manufacturers specifications and is highly formulated for superior performance.

#### COMPOSITION:

Odyssey 3000 begins with it's special synthetic base stock blend which consists of pure synthetic hydrocarbon base stocks and polymers blended with ultra-pure iso-dewaxed and severely hydrocracked base stocks which are refined to an exceptionally high viscosity index. Odyssey 3000 is fully compatible with most other synthetic and conventional mineral oil based motor oils.

Odyssey 3000 is formulated with a superior additive package. Extensive performance testing has proven exceptional deposit control, thermal stability and elimination of wear. Highly efficient detergent alkalinity provides longer TBN retention while super engine cleanliness spells a dramatic reduction in total maintenance. The superior oxidation and thermal stability of Odyssey 3000, with its highly shear stable viscosity index improvers, prevents oil breakdown. Dramatically reduced oil consumption and increased fuel economy can also be attributed to the use of this high performance product. Wear is essentially eliminated with the addition of our exclusive oil soluble friction modifier, Moly-D.

#### PERFORMANCE CHARACTERISTICS:

Meets and exceeds the following performance categories and specifications:

- Superior Additive Package
- Highly Shear Stable Index (SSI) – Viscosity Index Improver
- Exceptional Deposit Control
- Excellent Thermal Stability
- Can Lower Operating Temperature when Compared to Other Engine Oils
- Formula Helps to Prevent Pre-mature Oil Breakdown
- Wear is Essentially Eliminated Due to Use of our Moly-D
- Can Increase Fuel Economy
- Dramatically Reduced Oil Consumption

Meets and exceeds the following performance categories and specifications:

|                           |                     |
|---------------------------|---------------------|
| API CJ-4/SN               | ACEA E3/B3          |
| Navistar                  | JASO DH-2           |
| CAT ECF-3                 | FORD M2C153G        |
| Cummins CES 20081         | MB 228.3            |
| Detroit Diesel 93K218     | MAN 3275            |
| Mack EO-O Premium Plus 07 | VDS-4               |
|                           | VW 502.00/VW 505.00 |

#### USES:

Odyssey 3000 is recommended for use in gasoline and most diesel engines operated in light to heavy duty service. It is particularly recommended for use in high performance, heavy duty diesel engines burning ultra-low sulfur distillate fuels in 2007-2016 model year after-treatment-modified emission compliant engines.



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### APPLICATIONS:

- Trucks
- Buses
- Hoists and Cranes
- Compressor Drives
- Cotton Pickers
- Bulldozers
- Automobiles
- Tractors
- Drilling Rig Engines
- Stationary Generators
- Highway Equipment
- Pavers
- Irrigation Engines
- Drag Lines
- Combines

### TYPICAL SPECIFICATIONS:

| Product No.                                     | 229         |
|-------------------------------------------------|-------------|
| SAE Grade                                       | 15W-40      |
| Viscosity                                       |             |
| ASTM D445                                       | cSt @ 100°C |
| Index                                           | 15          |
| Flash Point, °F                                 | 129         |
| API Gravity                                     | 465         |
| Sulfated Ash, % wt                              | 30          |
| Total Base Number (TBN)                         | 1           |
| Zinc (ppm)                                      | 9           |
| Phosphorus (ppm)                                | 1,200       |
| Cold-Crank Simulator, cP at -20 ° C (Base Oils) | 1,050       |
| ASTM D5293                                      | 2600        |