

# ITR GRANDE

**ITR GRANDE HEAVY Duty Synthetic Blend Diesel Engine Oil** is formulated for use in high-speed four-stroke diesel engines designed to meet 2017 model on-highway and Tier 4 non-road exhaust emission standards as well as for previous model diesel engines. This oil is formulated to be used in all applications with diesel fuels ranging in sulfur content up to 500 ppm. Synthetic Blend Diesel Engine Oil is designed to provide enhance protection against oil oxidation, viscosity loss due to shear, and oil aeration as well as protection against catalyst poisoning, particulate filter blocking, engine wear, piston deposits, degradation of low- and high temperature properties, and soot-related viscosity increase.

## PERFORMANCE STANDARDS

- Protects emission control systems
- Outstanding oxidation stability
- Synthetic Blend formulation
- Universal product for mixed fleet operations
- Excellent low temperature properties helps speed cold starts

## TYPICAL CHARACTERISTICS 15W-40

- Color (ASTM D 1500): ASTM 3.5 Max
- Kinematic Viscosity @ 40 °C (ASTM D 445): 105-115
- Kinematic Viscosity @ 100 °C (ASTM D 445): 14.5-15.0
- Viscosity Index (ASTM D 2270): >130
- Pour point (ASTM D 97): < -30 °C Min
- Flashpoint (ASTM D 92 & 93): >210 Deg.C
- Total Base number (ASTM D 2896): 11.0-12.0
- Sulfated ASH% (ASTM D 874): <1.0
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