

5752

Winter Klenz ID

with Ice Check™ & Xtreme Torque®

DESCRIPTION:

Injector nozzle coking is not the only concern faced by modern high pressure common rail (HPCR) engines. Internal diesel injector deposits (IDID) are causing substandard performing injectors that lead to decreased power, decreased fuel economy, and increased regulated emissions. This coupled with other ailments, which can be present in ultra low sulfur diesel (ULSD) – require the need for a Premium Select™ premium diesel additive (PDA).

Winter Klenz ID 5752 is a Premium Select™ winterized PDA which imparts high performance qualities to diesel fuel. WKID 5752 was engineered to eliminate injector problems associated with today's HPCR engines, enhance many other qualities of fuel and may be used in traditional diesel engines. WKID 5752 provides "Premium Diesel Fuel" qualities to ULSD in terms of injector deposit control, corrosion, filter blocking tendency (FBT), lubricity, low temperature operability and cetane number. Its effective anti-gel component greatly improves cold temperature performance. Ice Check™ provides additional winter protection against freezeups. In addition WKID 5752 contains Xtreme Torque® a powerful cetane improver, for quicker cold starts and a maximum boost in power and performance and vastly superior IDID clean / keep clean additives.

COMPOSITION:

WKID 5752 contains the following additives:

- | | |
|--|--|
| <input type="checkbox"/> IDID Specific Additives | <input type="checkbox"/> Flow Improvers |
| <input type="checkbox"/> Cetane Improvers | <input type="checkbox"/> Corrosion Inhibitors |
| <input type="checkbox"/> Detergents | <input type="checkbox"/> Anti-Gel Additives |
| <input type="checkbox"/> Antifouling Agents | <input type="checkbox"/> Anti-Oxidants |
| <input type="checkbox"/> Dispersants | <input type="checkbox"/> Anti-Icing Additives |
| <input type="checkbox"/> Lubricity Agents | <input type="checkbox"/> Metal Deactivators |
| <input type="checkbox"/> Stabilizers | <input type="checkbox"/> Asphaltene Dissolution and Dispersion Agents |
| <input type="checkbox"/> Rust Inhibitors | <input type="checkbox"/> Carboxylate Dissolution and Dispersion Agents |
| <input type="checkbox"/> Thermal Stability Rejuvenation Agents | <input type="checkbox"/> Filterability Rejuvenation Agents |

PERFORMANCE CHARACTERISTICS:

Injector Deposit Control (Detergency) – WKID 5752 eliminates and prevents IDID formation and traditional nozzle coking deposits, thus improving/sustaining power, fuel economy, and regulated emissions caused by injector deposits.

Low Temperature Performance – WKID 5752 lowers Pour Point, Cold Filter Plugging Point, and Low Temperature Fluidity. It prevents diesel fuel gelling and greatly improves cold temperature operability. Fuel can be treated with WKID 5752 to pass the ASTM D975 Low Temperature Performance requirements. Ice Check™ not only disperses water, but also lowers its freeze point for superior winter performance.

Cetane – WKID 5752 improves ignition efficiency, improves cold starts, reduces warmup time, smoothes engine operation, increases power and fuel economy. WKID 5752 is formulated with Xtreme Torque® to produce an increase of 1 cetane number or 10 points, in responsive diesel fuels, at its optimum treatment rate.

Stability – Fuel can also be treated with WKID 5752 to improve stability of the treated fuel. Thermal stability may be measured by ASTM D-6468 Thermal Stability Test as well as other commonly used storage stability tests. In responsive fuel, thermal stability can be rejuvenated.

Lubricity – WKID 5752 improves lubricity of diesel fuels in both the HFRR Test and the BOCLE Test, which is a critical factor with ULSD No. 2 and No.1.

Rust and Corrosion Protection – Prevents all types of rust and corrosion in fuel lines, strainers, pumps and injectors.

Filter Blocking Tendency – WKID 5752 improves fuel flow through filters, in responsive fuels, as measured by ASTM D2068.

5752

Winter Klenz ID with Ice Check™ & Xtreme Torque®

USES:

- | | |
|---|---|
| <input type="checkbox"/> Clean/Prevent IDID | <input type="checkbox"/> Reduce Regulated Emissions and Black Smoke |
| <input type="checkbox"/> Prevent Diesel Fuel Gelling | <input type="checkbox"/> Clean Entire Fuel System |
| <input type="checkbox"/> Prevent Icing | <input type="checkbox"/> Highly Effective in Bio-Diesel |
| <input type="checkbox"/> Disperse Moisture | <input type="checkbox"/> Extend Filter Life |
| <input type="checkbox"/> Boost Power | <input type="checkbox"/> Reduce Injector System Maintenance |
| <input type="checkbox"/> Increase Cetane Number | <input type="checkbox"/> Extend Engine Life |
| <input type="checkbox"/> Dissolve and Disperse Asphaltenes | <input type="checkbox"/> Extend Fuel Storage Life |
| <input type="checkbox"/> Clean/Maintain Fuel Spray Pattern | <input type="checkbox"/> Increase/Maintain Fuel Economy |
| <input type="checkbox"/> Improve Cold Starts | <input type="checkbox"/> Dissolve and Disperse Carboxylates |
| <input type="checkbox"/> Prevent Sludge Induced Filter Plugging | <input type="checkbox"/> Rejuvenate Thermally Stressed Fuels |
| <input type="checkbox"/> Reduce Combustion Noise | <input type="checkbox"/> Improve Flow through Filter(s) |

APPLICATIONS:

WKID 5752 is an extremely versatile product that can be used in a wide range of effective treatment ratios from an economical 1:2000 to 1:500 for cleaning and maximum performance benefits or for non-responsive or poor quality diesel fuels.

WKID 5752 is recommended for ULSD. Use at 1:1000 for enhanced DW-10 (CEC F-98-08)/XUD-9 (CEC F-23-01) performance in suitable diesel fuels and optimal overall performance in most applications including lubricity in kerosene. Treat rates as low as 1:2000 may be used to provide significant enhancement of all properties in responsive fuels. Use at 1:500 for IDID DW-10C (CEC F-110-16(S)) performance, outstanding XUD-9 (CEC F-23-01) performance, to clean and prevent carboxylate and sticky IDID or to achieve specific target criteria in certain fuels.

The sulfur content of this diesel fuel additive does not exceed 15 ppm. This diesel fuel additive complies with the federal low sulfur content requirements for use in diesel motor vehicles and nonroad engines.

WKID 5752 is recommended for use at 1:1000 in biodiesel blends B6 through B10. Use at 1:500 in B11 through B20.

TYPICAL SPECIFICATIONS:

Appearance	Yellow-Orange
Viscosity, mm ² /sec @ 40° C	2.5
Density (#/gal)	7.5-7.6
Pour Point, °F max.	-45
Klenz ID® Product's HFRR Wear Scar Range	200 µm - 340 µm
Baseline Diesel HFRR Wear Scar	610 µm