

5757

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 5757 is a Premium Select™ winterized PDA which imparts high performance qualities to diesel fuel. WKID 5757 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 5757 provides "Premium Diesel Fuel" qualities to ULSD in terms of 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 5757 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 5757 contains the following additives:

- IDID Specific Additives
- Cetane Improvers
- Detergents
- Antifouling Agents
- Dispersants
- Lubricity Agents
- Stabilizers
- Rust Inhibitors
- Thermal Stability Rejuvenation Agents
- Flow Improvers
- Corrosion Inhibitors
- Anti-Gel Additives
- Anti-Oxidants
- Anti-Icing Additives
- Metal Deactivators
- Asphaltene Dissolution and Dispersion Agents
- Carboxylate Dissolution and Dispersion Agents
- Filterability Rejuvenation Agents

PERFORMANCE CHARACTERISTICS:

Injector Deposit Control (Detergency) – WKID 5757 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 5757 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 5757 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 5757 improves ignition efficiency, improves cold starts, reduces warmup time, smoothes engine operation, increases power and fuel economy. WKID 5757 is formulated with Xtreme Torque® to produce an increase of 4 cetane numbers or 40 points, in responsive diesel fuels, at its optimum treatment rate.

Stability – Fuel can also be treated with WKID 5757 to improve stability of the treated fuel. Thermal stability may be measured by ASTM D6468 Thermal Stability Test as well as other commonly used storage stability tests. In responsive fuel, thermal stability can be rejuvenated.

Lubricity – WKID 5757 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 - PKID 5757 improves fuel flow through filters, in responsive fuels, as measured by ASTM D2068.

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USES:

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

APPLICATIONS:

WKID 5757 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 5757 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 5757 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
Flash Point, °F	125
Density (#/gal)	7.5-7.6
Pour Point, °F max.	-45
Klenz ID® Products HFRR Wear Scar Range	200 µm - 340 µm
Baseline Diesel HFRR Wear Scar	610 µm