

FUEL GUARD (FZD-17348B)

Bottles	Commercial Vehicles		Passenger Cars
	STD Treat Ratio	Service Treat Ratio	Treat Ratio
50ml			Up to 80 L
250ml	250 L	125 L	Up to 500 L
1000ml	1000 L	500 L	Up to 1000 L

Tradeon cc Additive Technology

A multifunctional fuel additive designed to prevent and reduce fuel injection system deposits. Contains a fuel stabilizer that combats fuel oxidation and corrosion, while also providing improved fuel lubricity and added Cetane improver for improved combustion. Reduces fuel light fraction evaporation.

Advantages

- Delivers proven data-backed injection system cleaning
- Restores injector system to original cleanliness
- Offers additional fuel Cetane number for improved combustion, quieter operation and easier cold starting
- Provides improved fuel lubricity to protect and reduce fuel pump and injector wear
- Offers additional corrosion protection
- Restores fuel consumption

Application Benefits

At correct continuous dose ratio of Fuel Guard will restore fuel system performance. Reduces light fraction evaporation, gum formation, inhibits corrosion, improves combustion, improves cold start, reduces diesel knock and injector noise. Cleans fuel injection system and injector nozzles, improves fuel atomisation and restores injector spray patterns.

Characteristics	Typical Values	Unit	Method
Form	Liquid	-	-
Colour/Appearance	Dark Amber	-	-
Odour	Pungent	-	-
Flashpoint, C, PMCC	79	°C	ASTM D93
LBS per Gal @ 15.6°C	7.92	LB	Calculated
Pour Point, C	-51		ASTM D5950
Specific Gravity @ 15.6°C	0.95	SPGRAV	ASTM D4052
Viscosity @ 40°C cSt	5.7	cSt	ASTM D445



TRADEON cc

Technical Consulting

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Handling and Storage Instructions

FUEL GUARD (FZD-17348B) contains the Cetane Improver 2-ethylhexyl nitrate (EHNM).

SPECIAL CARE SHOULD BE TAKEN IN THE HANDLING AND USE OF THIS PRODUCT

In general Tradeon cc recommends as a minimum, the use of neoprene or nitrile rubber gloves and safety glasses or chemical splash goggles. The Safety Data Sheet should be consulted for specific information and for information on health and safety when handling this product. Maximum Temperature for long-term storage 45°C / 113°F. Holding the material in excess of this temperature may cause chemical degradation. Use Cold Temperature Storage - If the product has been stored below its pourpoint temperature, it should be heated to 21°C/70°F before using.

Case Studies

OEM Test

A predominant OEM that supplies Power Generation Units to the market in South Africa had a generator that was underperforming. This is a 21 KV generator that had a slight misfire and a diesel knock. Under test conditions the unit was only able to produce 12.7 KV without being pulled down and stalling. The unit was run under load with FUEL GUARD (FZD-17348B) mixed in the tank at a boost treat ratio. After 2.25 hours the diesel knock had reduced. After 4.35 hours the misfire had disappeared and the unit was back up to producing 20.6 KV of power.

Commercial Test

Spartan Truck Hire have an Isuzu Truck model FTR 850 AMT fitted with a 6HK series engine. The vehicle odometer reading was 361148 at the time of testing. This unit had been subjected to water contaminated fuel and was suffering with a diesel knock, misfire and elevated fuel consumption. The fuel was treated with FUEL GUARD (FZD-17348B) mixed in the tank at a boost treat ratio. The vehicle was allowed to idle until achieving coolant operating temperature. It was then driven for approximately 35 km by which time the diesel knock reduced to normal and the misfire had disappeared.

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