



# DIESEL CONDITIONER

## NACE RUST TEST

### TEST PARAMETERS

Base Fuel: Depolarized ISO-Octane  
 Temperature: 37.8 Deg. C. (100 Deg. F.)  
 Water Phase: Distilled  
 Fuel Water Contact: Stir Fuel 30 Minutes, Stop, Introduce Water, Stir 3.5 Hours  
 Steel Spindle: Polished, Cold Rolled SAE 1020, 1/2"  
 Performance Criteria: Visual Evidence Of Rust

### RESULTS

<u>Additive</u>	<u>NACE Visual Rating</u>	<u>% Rust</u>
None	D	50-75%
Flashlube Diesel Conditioner	A	None

### CONCLUSION

Flashlube Diesel Conditioner Provides Superior Anti-Corrosion Protection in Depolarized ISO-Octane Fuel. This Characteristic Ensures Superior Anti-Rust Protection to Storage Facilities, Fuel Handling Systems, and End Users Diesel Engines.

## ASTM D 1094 WATER TOLERANCE

### TEST PARAMETERS

Base Fuel: Commercial No. 2 Diesel Fuel  
 Temperature: 25 Deg. C. (77 Deg. F.)  
 Water Phase: Distilled  
 Fuel/Water Contact: Hand Shaken For 2 Minutes (80 ml of fuel, 20 ml of water)  
 Steel Spindle: 5 Minutes  
 Performance Criteria: Degree Of Fuel/Water Separation, Clarity Of Phases, Interface Rating

### RESULTS

<u>Additive</u>	<u>Rating After 5 Min</u>		<u>Time Required</u>
	<u>Interface</u>	<u>Separation</u>	<u>To Settle (Min)</u>
None	3	3	10 +
Flashlube Diesel Conditioner	1	1	2

### CONCLUSION

Flashlube Diesel Conditioner improves the fuel/water separation performance of base fuels to ensure trouble free handling after any contact with water. Flashlube Diesel Conditioner will ensure that emulsions will not readily form, thus not causing drivability and rusting concerns.

## FUEL FOAM TEST

### TEST PARAMETERS

Base Fuel: Commercial No. 2 Diesel Fuel  
 Test Conditions: 70 ml of fuel is violently shaken for 10 seconds in a 100 ml graduated cylinder.  
 Performance Criteria:  
 1.) Height of foam above 70 ml immediately after shaking  
 2.) time to no foam

### RESULTS

<u>Additive</u>	<u>Foam Height, ml</u>	<u>Collapse Time, sec.</u>
None	15	105
Flashlube Diesel Conditioner	11	37

### CONCLUSION

Flashlube Diesel Conditioner provides excellent anti-foam performance as measured in the Flashlube Diesel Conditioner test. As compared to base fuel, there is less tendency to foam and the foam generated is less stable when using Flashlube Diesel Conditioner. By minimizing diesel fuel foaming, the consumer receives quicker tank filling and less overflow during filling.

