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TECHNEWS

Polar Plus™

Winterized Premium Diesel Fuel

Marathon Petroleum Company LLC is pleased to announce the exclusive availability of **Polar Plus™ Winterized Premium Diesel Fuel** at our St. Paul Park terminal. **Polar Plus™ Winterized Premium Diesel Fuel** contains a multipurpose additive that provides a broad range of performance benefits. This is blended into our fuel via an automated injection system at St. Paul Park. This system ensures that the proper amount of additive is injected into the fuel. **Polar Plus™ Winterized Premium Diesel Fuel** is also available dyed for tax-exempt use. **Polar Plus™ Winterized Premium Diesel Fuel** provides the following benefits:

Cold Flow Operability

- ✦ Enhanced Cold Filter Plugging Point (CFPP) of -40°F¹

Higher Cetane

- ✦ 45 typical Motor Cetane Number
- ✦ Increases engine efficiency*
- ✦ Increases power output*
- ✦ Easier starts at low temperatures*
- ✦ Lessens combustion noise*
- ✦ Reduces exhaust smoke*
- ✦ Reduces exhaust odor*

Marathon Petroleum Company LLC's Polar Plus™ will have a typical -40°F Cold Filter Plugging Point when tested with a certified ASTM test method. The Cold Filter Plugging Point is defined in ASTM D 6371 as the highest temperature observed at which a fuel stops flowing through a standard 45 micron filter when cooled under the conditions defined in the test method during a specified time period.

Note: Since recommended filter sizing can vary between original equipment manufacturers and a fuel system is more restrictive than 45 microns and could lead to filter plugging at a temperature higher than -40°F, it is important to note and adjust for this factor. Depending on the application, a fuel filtration system more restrictive than 45 microns may require other means, such as installing a warm fuel return system or additional #1 diesel fuel blending, to prevent fuel gelling and filter plugging.

¹ When compared to typical diesel fuel.

*ASTM International "Significance of tests for Petroleum Products: seventh edition, page 70"