



## **CERTIFICATE OF ANALYSIS**

**TMC Product ID:** DFA  
**Batch Number:** 58470  
**Product Purpose:** Reference Calibration Fluid for ASTM D6079 (HFRR)  
**Product Description:** Diesel Fuel  
**Certificate Issue Date:** 2026-05-26  
**Product Appearance:** Clear and bright

### Properties

<u>Method</u>	<u>Test Name</u>	<u>Result</u>	<u>Units</u>
ASTM D93	Flash Point	66.0	°C
ASTM D4052	Digital Density at 15°C	0.8229	g/mL

### **Diesel Fuel Lubricity Reference Targets ASTM D6079 High Frequency Reciprocating Rig (HFRR) 60°C**

<b>Fluid Name</b>	<b>Wear Scar Diameter 95% Confidence Interval</b>		
	<b>Target, µm</b>	<b>Lower Acceptance, µm</b>	<b>Upper Acceptance, µm</b>
<b>DFA</b> High lubricity reference	304	248	360

The sample container for Fluid A has a nitrogen (N<sub>2</sub>) gas blanket, the fluid should not be poured into other containers or the N<sub>2</sub> gas blanket will be lost. Perform sampling vertically with a pipet or syringe which can pierce the gas blanket without disturbing the fluid.

**This product expires 1 year from date of shipment. Reference the original packing slip included with the order for the date shipped.**

Fluid batch target performance and acceptance limits are established and supplied to the TMC by the ASTM D02.E0 Diesel Section E2, Lubricity Task Group using industry round robin testing data.

Acceptable storage temperature range 10 – 40°C (50 - 104°F). Do not refrigerate. Do not allow overheating due to ambient exposure.

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