



Test Monitoring Center

203 Armstrong Drive, Freeport, PA 16229, USA

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CERTIFICATE OF ANALYSIS

TMC Product ID: DFA 24
Product Purpose: Reference Calibration Fluid for ASTM D6079 (HFRR)
Product Description: Diesel Fuel
TMC Batch Number: 20231025A
Certificate Issue Date: 2024-02-23

Product Appearance: Clear and bright

Properties

<u>Method</u>	<u>Test Name</u>	<u>Result</u>	<u>Units</u>
ASTM D93	Flash Point	128.5	°C
ASTM D4052	Digital Density at 15°C	0.9008	g/mL

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

Fluid Name	Reference Period	Wear Scar Diameter, 99.7% Confidence Interval		
		Target, µm	Lower Acceptance, µm	Upper Acceptance, µm
DFA 24 High lubricity reference (Fluid A Lot 24)	02/23/2024 – 04/30/2025	399	365	434

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.

Store at ambient temperature not exceeding 10 – 40°C (50 - 104°F). Do not refrigerate.

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