

MILITARY GROUND FUEL

F-54

NATO Ground Diesel — Military Logistics

PRIMARY SPEC

EN 590 / NATO F-54

NATO CODE

F-54

DOCUMENT

TDS · Rev. 2026-07

PRODUCT OVERVIEW

F-54 is the NATO designation for diesel fuel adapted for military ground use. It powers the majority of logistics fleets, tactical vehicles and generators.

Typical applications: Trucks · Tanks · Generators · Ground support equipment

KEY TECHNICAL PROPERTIES

PROPERTY	LIMIT / VALUE	TEST METHOD
Specification	EN 590 / NATO F-54	—
NATO Code	F-54	STANAG
Cetane Number (min)	51	EN ISO 5165
Sulfur Content (max)	10 ppm (ULSD)	EN ISO 20846
Density at 15°C	820–845 kg/m³ (typical EN 590)	EN ISO 12185
Flash Point (min)	55°C	EN ISO 2719
Lubricity	High — engine protection	EN ISO 12156
Cold Flow	Grade-dependent (CFPP)	EN 116
Primary Use	Military ground vehicles & generators	—

QUALITY & SUPPLY NOTES

Ultra-low sulfur diesel meeting EN 590 with military logistics documentation. Grades selected by climate zone.

Values shown are typical specification limits for guidance. Batch CoA prevails. Suat Fuels supplies certified product with full documentation at 2,200+ airports worldwide.