
PRODUCT INFORMATION



A Product of Valvoline Cummins Pvt. Ltd.

Valvoline Airshield™ DEF (AUS32)

Product description

Valvoline's Airshield™ diesel exhaust fluid (DEF) is produced by combining highly purified urea with ultra-pure demineralized water under clean, controlled conditions. The fluid is stored, shipped and dispensed using dedicated and compatible materials. Lot traceability is assured through rigorous quality control measures.

Valvoline's Airshield™ diesel exhaust fluid works with all selective catalyst reduction systems (SCR) to significantly reduce nitrogen oxide (NOx) content in diesel engine exhaust streams. SCR is a new exhaust gas after-treatment technology that incorporates aqueous 32.5 % urea based diesel exhaust fluid to meet the latest emissions requirements.

Applications

Recommended for use in all BSIV vehicles fitted with SCR.

Valvoline's Airshield™ diesel exhaust fluid is safe to handle and store. It is non-toxic and non-polluting. DEF is stable and colorless. It is non-hazardous and readily bio-degradable. DEF begins to freeze at -11 degrees C and has a 7% volume expansion on freezing. DEF storage should avoid freezing. DEF is freeze / thaw stable. DEF has a faint ammonia smell and is harmless. DEF is corrosive to copper, brass, mild steels and galvanized materials. Always use compatible containers for DEF including HDPE, high density polyethylene and stainless steel.

Performance Claims

API Certified

Meets ISO 22241 and DIN 70070 specification



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Typical characteristics

Urea	mass%	32.5
Biuret	mass%	0.3max
Water	mass%	67.5 typical
Density@ 20 ⁰ C	g/cc	1.0882

ISO 22241-1 Quality Requirements		
Characteristic	Unit	Typical
Refractive Index	-	1.383
Alkalinity as NH3	%(m/m)	0.2 max
Phosphate	mg/kg	0.5 max
Insoluble Matter	mg/kg	20.0 max
Aldehydes	mg/kg	5.0 max
Calcium	mg/kg	0.5 max
Iron	mg/kg	0.5 max
Copper	mg/kg	0.2 max
Zinc	mg/kg	0.2 max
Chromium	mg/kg	0.2 max
Nickel	mg/kg	0.2 max
Aluminum	mg/kg	0.5 max
Magnesium	mg/kg	0.5 max
Sodium	mg/kg	0.5 max
Potassium	mg/kg	0.5 max

Available Packs: Consult Your Valvoline Representative

3/2018



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