

VALONA CALIBRA 3003



Metalworking

Calibration standard for automotive Diesel engine fuel system components.

UTILISATIONS

- **VALONA CALIBRA 3003** is specially formulated for calibrating diesel engine fuel system components. It is made with special base oils and additives to meet precise performance standards. Great care is taken to provide consistent composition as required by the injector calibration process.
- **VALONA CALIBRA 3003** is manufactured under rigorous quality standards to meet the requirements of a calibration fluid for flowbench testing, calibrating and flushing of fuel injector equipment in production facilities, laboratories and in service establishments.
- **VALONA CALIBRA 3003** conforms to ISO 4113 - AW specifications.

ADVANTAGES

- Excellent thermal stability and resistance to oxidation.
- Excellent antiwear and rust protection.
- High cleanliness level.
- Safe alternative to diesel fuels.

TYPICAL CHARACTERISTICS	METHODS	UNITS	VALONA CALIBRA 3003
Appearance	Visual	-	Water white liquid
Colour	ISO 2049	0 to 8	0.5 max.
Density at 15 °C	ISO 3675	g/mL	0.820 - 0.830
Flash point	ISO 2719	°C	> 100
Kinematic viscosity at 40 °C	ISO 3104	mm ² /s	2.45 - 2.75
Volume distilled at 210 °C		% volume	< 5
Volume distilled at 360 °C	ISO 3405	fraction	> 95
Ageing test (sludge)		% mass fraction	≤ 0.05
Ageing test (total acidity after oxidation)	IP 306 - 82	mgKOH/g	< 0.7
Cloud point	ISO 3015	°C	-10 max.
Rust protection	ASTM D 1748 - 02	-	Pass
Ferrous metals corrosion test	ASTM D 665 - 06	-	Pass
Copper corrosion 3h at 100 °C	ISO 2160	-	Class 1
Water content	ISO 12937	mg / kg	< 200
Aromatic components	ISO 2140 - 03	%	< 12
Foaming test seq. 1(tendency)		mL	< 50
Foaming test seq. 1 (stability)	ASTM D 892 - 06	mL	0
Wear protection (scar diameter)	ASTM D 2783 - 03	mm	< 0.8

The characteristic values shown in this table are typical values that are given as a guide.

TOTAL LUBRIFIANTS
Industrie & Spécialités
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This lubricant used according to our recommendations and for the application for which it is intended does not present any specific risk. A safety datasheet in compliance with the legislation in force in the EC is available at www.quick-fds.com and from your sales advisor.