



REDOIL

TECHNICAL DATA SHEET



EELQMS

EUROPEAN ENGINE
LUBRICANTS QUALITY
MANAGEMENT SYSTEM

Data di prima emissione
07/03/2024

BRAKE FLUID DOT 4 ESP

High-performance hydraulic brake fluid

SPECIFICS

- ❑ SAE J 1704 / SAE J 1703
- ❑ FMVSS 116 DOT 4
- ❑ ISO 4925 CLASS 6-4-3
- ❑ JIS K2233 CLASS 4
- ❑ SFU RENAULT 41-02-001
- ❑ SFU FORD WSS-M6C65-A2
- ❑ SFU JLR OVER 4R83-M657/ BH22-M6C57
- ❑ SFU PSA S712114

TECHNICAL DESCRIPTION

The key element of the new engineered braking units is the hydraulic fluid, which must conform its actuation response time to the millisecond response requirements of the new braking systems controlled by computerised microcontrollers.

To speed up hydraulic functions and reduce actuation response times, an ultra-low viscosity fluid (as low as 600cst at -40°C) has been formulated to meet the times dictated by the ECUs in systems equipped with electronic braking and stability control devices ABS, ASR, EBD, ESP :

- Anti-lock Braking System
- Anti-Slip Regulation
- Electronic Brakeforce Distribution
- Electronic Stability Program

The exceptional quality of the polyglycol ethers used in the formula ensure exceptional performance levels characterised by high oxidative resistance not achievable with products of the same category.

Thanks to its composition, the product guarantees

- Maximum implementation speed;
- High resistance to vapor lock phenomena, linked to the formation of vapour bubbles that adversely affect braking;
- Low hygroscopic index;
- Protection of the entire circuit from corrosion;
- High resistance to oxidation.

For further details, please contact the technical department



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*Typical characteristics**

Properties	Unit	Method	Average values
Density at 20°C	Kg/m ³	ASTM D 1298	1040
Viscosity at 100°C	cSt	ASTM D 445	1.85
Viscosity at -40°C	cSt	ASTM D 445	650
Boiling Point T.Q.	°C	ASTM D1120	265
pH	-	SAE J1703	8.7
Wet Equilibrium Reflux Boiling Point	°C	ASTM D1120	172

*the above data represent the average production values.

MODE OF USE

Use in accordance with the recommendations in the user and maintenance manual supplied by the manufacturer. Store in a cool, dry place, protected from direct sunlight and at temperatures not exceeding 60°C (140°F).

SAFETY AND ENVIRONMENT

Use in accordance with the recommendations provided in the Safety Data Sheet. Additional information on MSDS.