

Premium brake fluids

Safety doesn't happen by accident

Stay prepared for the unexpected!

HYDRAULAN® 404

BASF has a longstanding history of setting and shaping the benchmarks of premium vehicle safety. Already back in 1952, BASF patented its first premium brake fluid under the brand name HYDRAULAN®. Later, it was also BASF that introduced the first tailor-made brake fluid suitable for vehicles with electro-hydraulic brake systems which even today meets and exceeds the most demanding industry standards. Not surprisingly, HYDRAULAN® 404 is successfully enabling premium safety performance of the brake systems of major OEM vehicle fleets which is evidenced by a broad range of official approvals.

HYDRAULAN® 404 is a best-in-class DOT 4 Class 6 brake fluid. At low temperatures, it has a very low viscosity. This enables brake pressure to build up quickly and the wheel brakes to respond in a timely manner. Compared to conventional fluids, brake pressure build-up at low temperatures of approx. -20 °C is about 30 % faster, also securing effective brake performance during harsh weather conditions.

The product exceeds the latest ISO 4925 Class 6 specifications and displays a boiling point of at least 265 °C, a wet boiling point of at least 175 °C, and a viscosity at -40 °C of no more than 700 mm²/s. Its good lubrication properties also result in low noise and low wear properties within the brake system.

HYDRAULAN® 404 is also available as HYDRAULAN® 404 BMB solution, where fossil raw materials are replaced by bio-based raw materials at the beginning of the value chain according to a mass balance approach. This claim is certified by REDcert², a provider of certification systems and audited by TÜV Nord. As a result of using bio-based instead of fossil raw materials, CO₂ emissions are significantly reduced when producing HYDRAULAN® 404 BMB.

Benefits:

- Achieves excellent **brake safety performance** through outstanding brake response
- Ensures **low viscosity** even at low temperatures
- **Protection of overall brake system** through excellent corrosion protection for metals and good lubricity for low wear during operations
- **Reduced CO₂ emissions** when applying BMB version

Waste Reduction



12 UN SDG

Cost Savings



8 UN SDG

Durability



9 12 UN SDG

Climate Change



7 13 UN SDG

Renewables



15 UN SDG



BASF
We create chemistry

HYDRAULAN® 404 exceeds the requirements set by the international standards in all criteria:

Product	International standard	Dry ERBP [°C]	Wet ERBP [°C]	Viscosity at -40°C [mm²/s]
HYDRAULAN® 404		≥ 265	≥ 175	≤ 700
	FMVSS No. 116 DOT 4	≥ 230	≥ 155	≤ 1.800
	SAE J 1704 Low Viscosity	≥ 250	≥ 165	≤ 750
	ISO 4925 Class 6	≥ 250	≥ 165	≤ 750
	JIS K 2233 Class 6	≥ 250	≥ 165	≤ 750

HYDRAULAN® 404 is officially approved by leading automobile manufacturers:

Product	Automobile manufacturers (OEM)	Approval code
HYDRAULAN® 404	BMW Group (MINI, Rolls-Royce)	QV 34 001
	GM Europe (Buick, Chevrolet, Cadillac, GMC, Opel, Saab, Vauxhall)	GMW 3356
	Volkswagen Group (Audi, Bentley, Lamborghini, Seat, Škoda, VW)	TL 766-Z
	Ford	WSS-M6C65-A2
	Peugeot S.A. (Citroën, Peugeot)	STL S71 2114
	Toyota Motor Corporation (Lexus, Toyota)	TSK 2602G
	Fiat Chrysler Automobiles	FCA 9.55597
	Geely Group, BYD, FAW Car, GAC Motor, Great Wall Motors, Li Auto, Mahindra & Mahindra, Mazda, NIO, SAIC, Xpeng	OEM does not issue an approval code

Packaging information:

HYDRAULAN® 404 is globally available as bulk delivery and in small packaging. Sizes of packaging and offerings may differ per region.



Safety doesn't happen by accident.
Learn more on our website
www.basf.com/hydraulan

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