

Havoline® Heavy Brake Fluid 260 DOT 4

Efficient performance automotive brake fluid



Product description

Havoline® Heavy Brake Fluid 260 DOT 4 is an efficient performance non-petroleum automotive brake fluid, designed for use in conventional hydraulic brakes and clutch systems, particularly in severe service conditions where DOT 4 Plus and DOT 4 fluids are recommended.

Havoline Heavy Brake Fluid 260 DOT 4 is a complex mixture of polyalkylene glycol monoalkyl ethers and ester derivatives with additional corrosion and oxidation inhibitors.

Customer benefits and product features

- Higher boiling point and retention of boiling point in service helps prevent high temperature vapour formation, maintaining braking performance longer than DOT 3 products
- Contributes an additional safety margin against vapour lock when compared with lower specification fluids
- Buffered formulation maintains pH level in the alkaline range, helping protect cast iron and steel components
- Inhibitors contribute to corrosion protection of a wide variety of metals including aluminium, brass, copper, zinc and tin
- Seal swell and lubricity characteristics help prevent fluid leaks and reduce component wear
- Thermal and oxidation stability helps resist fluid degradation, maintaining key performance features throughout fluid service life
- Suitable for a wide range of vehicle types, reducing inventories

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Applications

- Havoline Heavy Brake Fluid 260 DOT 4 meets the recognised standards for clutch and brake fluids as demanded by leading motor vehicle manufacturers.
- All hydraulically operated motor vehicle braking systems (drum and disc types) for which a DOT 4, SAE J1704 or ISO 4925 Class 4 fluid is specified
- Make-up or service fill of braking systems requiring DOT 3, SAE J1703 or ISO 4925 Class 3 fluids
- Vehicles with anti-lock (ABS) braking systems
- Hydraulic clutch systems requiring conventional fluids
- Passenger cars, commercial road transport, off-highway vehicles, agricultural tractors and motorcycles

Havoline Heavy Brake Fluid 260 DOT 4 is compatible with other brands of DOT 4 / DOT 3 brake fluid.

Havoline Heavy Brake Fluid 260 DOT 4 should not to be used in systems designed for mineral oil based fluids (LHM), for example certain Citroen models, or where Silicone DOT 5 fluids are recommended.

Approvals, performances and recommendations

Performance specifications

- | | | | |
|---|-------|--------------|--------------------|
| • | FMVSS | 116 DOT 3 | Meets requirements |
| • | FMVSS | 116 DOT 4 | Meets requirements |
| • | ISO | 4925 Class 3 | Meets requirements |
| • | ISO | 4925 Class 4 | Meets requirements |
| • | SAE | J1703 | Meets requirements |
| • | SAE | J1704 | Meets requirements |

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Typical test data

HAVOLINE® HEAVY BRAKE FLUID 260 DOT 4	TEST METHOD	RESULTS
Product Code		510655
Colour	FMVSS 116 (13)	Amber
Equilibrium Reflux Boiling Point, °C	FMVSS 116 (1)	283
Wet Equilibrium Reflux Boiling Point, °C	FMVSS 116 (2)	175
Viscosity, Kinematic		
mm ² /s @ -40°C	FMVSS 116 (3)	1100
mm ² /s @ 100°C	FMVSS 116 (3)	2.12
pH value	FMVSS 116 (4)	7.9

ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions, and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the Product Information Center.

This Product Data Sheet (PDS) was produced for the Africa, Middle East and Pakistan region in good faith from the best information available at the time of issue. The specific information included may not directly reflect the local market or conditions. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. For the most up-to-date, country-specific information, please contact your local customer service center.

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