ELF HTX 320

Racing Brake Fluid

RACING FUELS & LUBRICANTS

TECHNICAL DATA SHEET

"Our formula uses innovative oil bases to guarantee extreme performances, long-lasting properties, ensuring the best engineering for your performance. This research for constant and optimum quality is the pillar of our philosophy, in conformity with racing requirements. "

USES

ELF HTX 320 is a 100% synthetic brake fluid based on glycol ether technology. It features a particularly high boiling point, guaranteeing its suitable for use in the harshest conditions and to repel humidity.

ELF HTX 320 is compatible with all types of elastomer used in the braking system.

ELF HTX 320 had been formulated with specific anti-corrosion additives which provide a very high protection for metals and an improved resistance to oxidation.

ELF HTX 320 is designed for motorsport, specially formulated to provide the best performance in the most challenging conditions encountered in car, motorcycle and go-kart racing.

PROPERTIES

	Units	Typical data	DOT 4
Density at 20°C	**kg/L**	**1,08**	**-**
pH	**Index**	**7,15**	**7,00 – 11,50**
Dry Equilibrium reflux boiling point	**°C**	**328**	**≥ 230**
Wet equilibrium reflux boiling point (Test with water content 3%)	**°C**	**204**	**≥ 155**
Viscosity at - 40°C	**mm²/s**	**1495**	**≤ 1800**
Viscosity at 100°C	**mm²/s**	**2,59**	**≥ 1,50**
Water Content	**%m**	**< 0,20**	**-**
Appearance	**Visual**	**clear & bright / white to amber**	**-**

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CHARACTERISTICS

CHARACTERISTICS	→	TECHNICAL ADVANTAGES	→	BRAKE SYSTEM BENEFITS
Glycol Ether Technology	→	**High Boiling Point**	→	**Safe utilization in extreme conditions during competitions, ensuring the dynamic characteristics of the fluid in the hydraulic circuit**
Specification	→	**Contains in addition Borate Esters in order to improve dry and wet boiling points**	→	**Brake fluids have an enhanced stability and higher boiling point**
Formulation compatible with all elastomers used in braking systems	→	**It avoids chemical attack, fluid leaks and damage to the circuit**	→	**Maintaining optimal braking circuit conditions and safety over time**
Anti-corrosion additive	→	**Adhesion of the additive to metal surfaces for protection against metal corrosion**	→	**Protection of the surfaces of the oil system and brake system components over time**

RECOMMENDATIONS

ELF HTX 320 is miscible with all fluids from DOT 3, DOT 4, DOT 5.1 classes. However, it is highly recommended to avoid mix between fluids, this could impact original properties and reduce initial performance of **ELF HTX 320**. It is therefore advisable to properly purge the circuits when switching to **ELF HTX 320** fluid.

ELF HTX 320 is non miscible with DOT 5 fluids, based on silicon and silicon esters fluids. It is not classified as a dangerous fluid.

The "dry boiling point" is the boiling point of the new product. The "wet boiling point" is given for information purposes because after more than two years of use, up to 3% water can be found depending on the use. This highlights that used brake fluid can have its incompressibility properties significantly affected and become dangerous for the user.

To ensure maximum safety of your braking system according to the operating temperature, we recommend that you use approved ducts for professional racing use.

STORAGE

To preserve its original properties, **ELF HTX 320** must be handled and stored away from extreme weather conditions. The can must be carefully closed again after each use.