

Product Information: Hypower TD 46

Description

Hypower TD 46 is a high-performance detergent based hydraulic fluid for use where emulsifiable fluids are preferred. The formulation utilises proven ashless anti-wear and detergent technologies offering extra protection in challenging environments. The fluid exhibits excellent low friction anti-wear performance, prevents water accumulation, disperses solid contaminants and offers excellent corrosion protection. The product helps the hydraulic system to function efficiently by promoting superior cleanliness and offering outstanding air-release and anti-foam characteristics, as well as resistance to thermal and chemical breakdown.

Applications

Hypower TD 46 is intended for use in both mobile and industrial hydraulic systems where there is risk of aqueous fluid contamination or when control of solid contaminants is important, applications may include injection moulding machines, electronically controlled systems, headstocks and hydraulic controls in automatic lathes and any other hydraulic system where the original equipment manufacturer recommends the use of a HLPD oil.

Performance Features

- Protects in challenging environments
- Excellent low friction anti-wear performance
- Prevents water accumulation
- Disperses solid contaminants
- Excellent corrosion protection
- Promotes system efficiency
- Superior cleanliness
- Resists thermal & chemical breakdown

Performance Levels

- Arburg
- Bosch Rexroth RD 90220-01 (2011)
- Mueller Weingarten
- ISO 11158 (HM Fluids)
- ASTM D6158-05 (HM Fluids)*
- DIN 51524-2 (HLP Fluids)*

*Meets DIN & ISO specification, except for demulsibility which is not applicable for high detergency hydraulic oils.

Typical Data

Characteristic	Unit	Result	Method
Density @ 15.6°C	kg/l	0.877	ASTM D4052
Kinematic Viscosity @ 40°C	cSt	46.0	ASTM D445
Kinematic Viscosity @ 100°C	cSt	7.0	ASTM D445
Viscosity Index		107	ASTM D2270
Flashpoint (Open)	°C	223	ASTM D92
Pour Point	°C	-24	ASTM D97

Figures based on average production values