



Technical Data Sheet

- REDUCING OPERATING COSTS AND IMPROVING PRODUCTIVITY.
- OUTSTANDING HYDRAULIC SYSTEM EFFICIENCY; ULTRA KEEP CLEAN PERFORMANCE

Pure Tech – Pure HD 46

Premium Quality Regular Hydraulic Oils

Pure Tech – Pure HD 46 oil is high performance anti-wear hydraulic oil. It meet the stringent requirements of hydraulic systems using high pressure, high output pumps as well as other hydraulic system components such as close clearance servo-valves and numerically controlled (NC) machine tools. Pure Tech – Pure HD 46 mets the most rigorous performance requirements of a wide range of hydraulic system and component manufacturers, allowing use of a single product with excellent performance characteristics.

FEATURES AND BENEFITS

- Excellent oxidation stability helps reduce maintenance downtime and costs by contributing to system cleanliness and deposit reduction, enable long oil and filter life
- Enhanced anti-wear and corrosion protection of system components using various metallurgy help extend component life and improve production capacity
- Controlled demulsibility protects systems from small and large quantities of water
- Keep clean properties reduce system deposits and sludge help protect equipment and extend equipment life, reduce maintenance costs and improve total system performance

APPLICATIONS

- Hydraulic systems critical to deposit build-up or where sludge and deposits form with conventional products
- Hydraulic systems requiring a high load-carrying capability and anti-wear protection, and when thin oil-film corrosion protection is an asset
- Machines employing a wide range of components using various metallurgy

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES			METHOD	PURE HD 46
ISO Viscosity Grade				46
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	44.2
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	6.7
Viscosity Index			ASTM D2270	98
Copper Strip Corrosion	3hrs @100°C		ASTM D130	1B
FZG Scuffing	ISO 14635-1	Fail Load Stage	A/8.3/90	12
Pour Point			ASTM D97	-27
Flash Point			ASTM D92	232
Form Squence I, II, III			ASTM D892	20/0
Rust Characteristics	Procedure B		ASTM D665	pass

HEALTH, SAFETY & ENVIRONMENT

Health and Safety

Pure Tech – Pure HD 46 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

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