

## HIDROTEX BS SERIES

### HIGH PERFORMANCE HYDRAULIC OILS

#### PRODUCT DESCRIPTION

The HIDROTEX BS SERIES are high-performance hydraulic oils that meet the requirements of high-performance hydraulic equipment due to their mixture of high-quality base oils and superior additive technology. They prevent corrosion and oxidation and reduce wear to a minimum.

HIDROTEX BS SERIES meet the requirements of hydraulic systems operating with high pressure and high flow rate pumps.

The HIDROTEX BS SERIES is designed for systems where resistance to high levels of wear and film build-up is required.

#### APPLICATION / USAGE

HIDROTEX BS SERIES products are recommended for industrial and dynamic hydraulic systems. They are used in special industrial applications such as work machines, presses, mobile construction equipment, plastic injection molding and air compressors.

#### ADVANTAGES / BENEFITS

- Reduced wear and therefore increased production capacity and plant performance
- No corrosion, even if there is condensation in the system
- Good filterability
- Good aging resistance
- Good demulsifying behavior
- Good air separation properties
- Low tendency to foam

#### SPECIFICATION / APPROVALS

DIN 51524 Part II;  
ISO 11158 HM,  
PARKER (Denison) HF-0, HF-1, HF-2;  
FIVES (Cincinnati) P-68, P-69, P-70;  
EATON (VICKERS) I-286-S,  
EATON (VICKERS) M-2950-S,  
AFNOR NF E 48-603,  
JCMAS P041,  
CETOP RP 91 H.  
BOSCH REXROTH 90220

#### STORAGE

Protect from direct sunlight and rain. Store in the original closed drums and in covered areas. Storage temperature should be between +5 and +40°C.

"The above information is derived from our quality checks. Given values are typical of current production. While future production will conform to our specification, variations in these characteristics may occur. Quality Control Analysis Report for to learn properties of the product that is supplied can give. It does not relieve the purchaser from examining product upon delivery and gives no assurance of the product for any particular purpose. Due to continual product research and development, the information contained herein is subject to change without notification."

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TECHNICAL PROPERTIES	TEST VALUES												TEST METHOD	
	2	3	5	10	15	22	32	37	46	68	100	150		
Density (20°C, g/cm <sup>3</sup> )	0,815	0,825	0,830	0,856	0,861	0,864	0,870	0,870	0,875	0,880	0,885	0,890	ASTM D 1298	
Kinematic Viscosity (40°C, cSt)	2	3	5	10	16	22	32	37	46	68	100	150	ASTM D 445	
Kinematic Viscosity (100°C, cSt)	-	-	-	2,7	3,6	4,4	5,48	5,96	6,62	8,65	11,2	14,8	ASTM D 445	
Viscosity Index	-	-	-	108	107	109	107	104	98	98	97	98	ASTM D 2270	
Flash Point (°C)	100	100	120	140	160	210	220	220	230	240	250	260	ASTM D 92	
Pour Point (°C)	-45	-45	-36	-30	-27	-27	-24	-21	-21	-21	-15	-15	ASTM D 97	
TAN (mgKOH/g)	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	ASTM D 974	
Copper Corrosion Test (100°C, 3 h)	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	ASTM D 130	
Foaming Tendency/Stability (2 sq, 93,5°C, mL)	20/0	20/0	20/0	20/0	20/0	20/0	20/0	20/0	20/0	20/0	20/0	20/0	ASTM D 892	
Rust Test	Geçer												ASTM D 665 B	
FZG Load Carrying Capacity	12												DIN 51354	
Water Separability (54°C, 30 min)	40/37/3												ASTM D 1401	
Air Release Time (min)	5												ASTM D 3427	
Oil Clean Level	NAS Value	7												NAS 1638
	ISO Value	18/16/13												ISO 4406

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