HIDROTEX BS SERIES

HIGH PERFORMANCE HYDRAULIC SYSTEM OILS

PRODUCT DESCRIPTION

HİDROTEX BS SERIES are high performance hydraulic oils which work heavy-duty hydraulic equipment requirements due to superior additive technology, produced by blending high quality base oils and special additives. They prevent the corrosion and oxidation and reduce the wear to a minimum value.

They were developed to meet severe conditions of hydraulic systems worked with high pressure and high flow rate pumps.

HIDROTEX BS Series are designed for systems in which resistance against high wear and film layer formation is required. They are also suitable for systems where no wear is present and loading capacity is low.

APPLICATION / USAGE

They are recommended for industrial and dynamic hydraulic systems. They are used in special industrial applications such as operation machines, presses, mobile construction equipment, plastic injection and air compressors.

ADVANTAGES / BENEFITS

• They reduce wear, thus they increase the production capacity and equipment performance.

• They do not cause corrosion even if condensate water enters the system.

• They do not plug the filters thus prolongs filter life.

• They preserve their performance characteristics even under though working conditions.

• They keep the system clean due to cleaning and sediment drag properties, prevent sludge formation.

• They work fine in an environment with very little water due to water separability properties, easily separate from water in large quantities.

• They do not foam due to the antifoam additives unless there are mechanical problems in the system, prevent cavitations in the pumps.

• They decrease oil change frequency, thus provide prolonged oil and equipment life; reduce waste disposal costs to a minimum.

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 must be between (+5)-(+40)°C

HEALTH AND SAFETY

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application. Used or waste product should not be allowed to contaminate soil or water. Used or waste product should be disposed of in accordance with local regulations. For further guidance on product Health and Safety refer to the appropriate Material Safety Data Sheet.

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BELGİN
Human oriented industrial solutions.

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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^3)		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	-33	-30	-27	-27	-24	-24	-18	-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^{0}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

"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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