



HYDROBIUS HYDRAULIC OILS

Tesla Hydrobius oils are high performance anti wear hydraulic oils developed for use in high pressure hydraulic systems operating under moderate to severe conditions in mobile and industrial services.

Tesla Hydrobius oils are formulated with carefully selected base stocks fortified with additives to provide excellent protection towards wear, rust and oxidation. Tesla Hydrobius oils are formulated with field proven thermally stable, zinc based anti wear additives.

Tesla Hydrobius oils provide excellent water demulsibility, rust and oxidation protection as well as de-aeration.

Specifications: DIN 51524/2 HLP, ISO 11158 HM, AFNOR NFE 48-603 HM, Sauer Danfoss 520L0463, Eaton(Vickers)M-2950 S/M 2952-S/I-286-S, Bosch Rexroth 07 075 vane, piston & gear pumps, Denison-TP 30560: HF-1 Cincinnati Machine: P-68/69/70 (vg specific)

ISO Viscosity Grade	22	32	46	68	100	150	220	320	460	680
Density, g/cc, D 4052	0.861	0.871	0.877	0.881	0.883	0.885	0.888	0.89	0.89	0.9
Cst at 40°C, D 7042	22	32	46	68	100	150	220	320	460	68
Cst at 100°C, D 7042	4.3	5.4	6.8	8.7	11.2	14.6	18.8	24	31	42.5
Viscosity Index, D 2270	>98	>98	>98	>98	>97	>96	>95	>95	>95	>95
COC Flash, D 92, °C	>175	>195	>200	>205	>230	>225	>230	>235	>240	>250
Pour Point, D97, °C	-25	-24	-22	-15	-15	-12	-12	-10	-9	-6
FZF pass Stage, Min, DIN 52354-2	11	11	11	11	12	12	12	12	12	12
Air Release Value at 56°C, DIN 51581,min	<5	<4	<5	<8	<14	<16	<18	<20	<25	<28
Demulsibility at 54°C, DIN 51599,min	<40	<30	<30	<30	<60	<65	<68	<70	<75	<80
P.Code		1378	1379	1380	1381	1382	1383	1384	1385	1386

Color Varies from Country to Country. Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. Advice and opinion noted herein are given in good faith and on the basis of the best information available, information is based on past history of the grade only and must not be construed as a guarantee of performance nor any legal liability is accepted by Tesla Corporation or any of its affiliates. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available with your nearest TESLA office or at www.teslalube.com © Tesla Corporation, 2011

Product Nr: 1378-1386

Date Issued: 01-11-2011

Date Superseded:

Revision nr:

TESLA TECHNOPRODUCTS FZE

(A Subsidiary of York & Boston LLC USA)

Dubai Office: PO BOX 114132, Dubai, UAE

Phone: 971(4) 455 1070: Fax (971) (4) 455 1071 Cell: (971)(50) 1144201

email: info@teslalube.com