

Technical Data Sheet

Hydraulic Oils



Product Description

Euro Oils provides a comprehensive range of premium quality hydraulic oils formulated from high viscosity index solvent refined mineral base oils with additives to provide excellent protection against oxidation, corrosion, wear and foaming.

ISO viscosity grades 220, 320 and 460 are also available.

Typical Properties:

ISO Grade	5	10	15	22	32	46	68	100	150
Type	HM	HM	HM	HM	HM	HM	HM	HM	HM
Kinematic Viscosity									
...at 0°C, cSt	21	60	110	195	300	550	925	1730	3000
...at 20°C, cSt	9.5	21.5	35	55	80	130	200	340	550
at 40°C, cSt	5.0	10	15	22	32	46	68	100	150
at 100°C, cSt	--	2.5	3.3	4.2	5.2	6.7	8.6	11.2	16.0
Viscosity Index	--	80	84	90	102	100	100	100	101
Flash Point, COC, °C	65	162	174	192	216	220	232	240	267
Pour Point, °C	-48	-45	-33	-30	-30	-30	-28	-24	-24
Density, g.ml ⁻¹	0.84	0.86	0.87	0.87	0.87	0.87	0.88	0.88	0.89
ASTM D943: 1000 hr TOST, TAN	Less than 2.0 mgKOH.g ⁻¹								
IP154: Copper Corrosion	PASS - Rating 1								
DIN 51389: Vickers Vane Pump, Wt Loss	Less than 50 mg								
ASTM D1401: Demulse, mins	3	7	8	9	9	12	21	25	36
IP 153B: Salt Water Corrosion	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
IP 313: ARV 50°C, 0.2% air	2	3	4	5	6	7	9	12	14
IP 146: Foaming Tendency / Stability									
Sequence I	10/0	10/0	15/0	15/0	20/0	30/0	40/0	40/0	40/0
Sequence II	5/0	5/0	10/0	10/0	10/0	10/0	10/0	40/0	40/0
Sequence III	10/0	10/0	15/0	15/0	20/0	20/0	40/0	40/0	40/0
IP 278: Seal Compatibility	17.5	16.5	14.5	13.5	10.6	9.5	7.5	5.0	2.5

These data are typical of current production, and whilst future production will meet these specifications, some variation in typical data may occur.

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