



An ISO 9001:2015 Certified Co.

Product Data Sheet

DC Corrosion Inhibited Hydraulic Oil

- ISO Designation: ISO-L-HL
- ISO Viscosity Grades: 10,15,22,32,46,68,100,150
- Performance Standards: ISO 6743-4: 2015, ISO 11158-HL: 2009, IS 3098: 1983, DIN 51524 Pt.1-HL
- Usage Guidelines: Lubrication of hydraulic systems not requiring any particular anti-wear properties. Splash or injection lubrication of lightly loaded gears, bearings and roller bearings
- Composition: Base Oil Group II, Additives: Anti Corrosion (0.4 to 2%), Anti Oxidants (0.4 to 2%)

Physico-Chemical Properties: Corrosion Inhibited Hydraulic Oil

S.No	Characteristics	Test Method	10	15	22	32	46	68	100	150	
1	Kinematic Viscosity @40°C, cSt, range	IS 1448 P:25	9 to 11	13.5 to 16.5	19.8 to 24.2	28.8 to 35.2	41.4 to 50.6	61.2 to 74.8	90 to 110	135 to 165	
2	Viscosity Index, min	IS 1448 P:56	90								
3	Flash Point, Cleveland (open) cup, °C, min	IS 1448 P:69	135	150	160	180	180	210	210	230	
4	Pour Point, °C, max	IS 1448 P:10	-7	-3	-3	-3	-3	0	0	0	
5	ASTM Colour, max	IS 1448 P:12	4	4	4	4	4	4	4.5	4.5	
6	Total Acidity, mg of KOH/g of oil, max	IS 1448 P:2	0.10	0.10	0.10	0.10	0.10	0.10	0.15	0.15	
7	Inorganic Acidity, mg of KOH/g of oil	IS 1448 P:2	← Nil →								
8	Rust Preventing Characteristics	IS 1448 P:96	← passes test B after 24 hrs →								
9	Copper Strip Corrosion, 100°C, 3 hrs	IS 1448 P:15	← 1a →								
10	Oxidation test, hours to reach acidity of 2mg KOH/g of oil, min	IS 1448 P:106	← 1000 →								750
11	Foaming Characteristics : Foam stability after 10 minutes settling time, foam; ml a) at 24°C, max; b) at 93°C, max; c) at 24°C after cooling down from 93°C, max	IS 1448 P:67	← Nil for all parts a), b) and c) →								
12	Emulsion Characteristics, max	IS 1448 P:91	← 40-37-3(20) →				← 40-37-3(30) →				
13	Seal Compatibility test: Volume Change	IS 3098-A	← ±4% →								

Disclaimer: DC makes no warranties, representation or conditions of any kind expressed or implied for use with respect to these products. Final determination of suitability of the product for the application contemplated by the users is solely their responsibility.