



An ISO 9001:2015 Certified Co.

Product Data Sheet

DC Clutch-Bearing Oil

- ISO Designation: ISO-L-FC
- ISO Viscosity Grades: 2,5,10,15,22,32,46,68,100,150,220,320,460,680
- Performance Standards: ISO 6743-2, ISO 19378
- Usage Guidelines: for lubrication by recirculation, splash, pressure, bath or oil mist (Aerosol) of plain, spindle, roller bearings and associated clutches
- Composition: Base Oil Group II, Additives: Anti Corrosion (0.4 to 2%), Anti Oxidants (0.4 to 2%)

Physico-Chemical Properties: DC Clutch Bearing Oil

S.No.	Characteristics	Test Method	2	5	10	15	22	
1	Kinematic Viscosity @40°C, cSt, range	IS 1448 P:25	1.8 to 2.2	4.5 to 5.5	9 to 11	13.5 to 16.5	19.8 to 24.2	
2	Pour Point, °C, max	IS 1448 P:10	-15	-12	-12	-9	-9	
3	ASTM Colour, max	IS 1448 P:12	0.5	0.5	0.5	0.5	0.5	
4	Flash Point (COC), °C, min	IS 1448 P:69	140	150	160	170	170	
5	Ash, % by mass, max	IS 1448 P:4	← 0.01 →					
6	Total Acidity, mg KOH/g, max	IS 1448 P:2	← 0.10 →					
7	Inorganic Acidity	IS 1448 P:2	← Nil →					
8	Saponification Value, max	IS 1448 P:55	← 1 →					
9	Copper Corrosion, 100°C, 3 hrs	IS 1448 P:15	← 1 →					
10	Oxidation test, hours to reach acidity of 2mg KOH/g of oil, min	IS 1448 P:106	← 1000 →					

Physico-Chemical Properties: DC Clutch Bearing Oil

S.No.	Characteristics	Test Method	32	46	68	100	150	220	320	460	680
1	Kinematic Viscosity @40°C, cSt, range	IS 1448 P:25	28.8 to 35.2	41.4 to 50.6	61.2 to 74.8	90 to 110	135 to 165	198 to 242	288 to 352	414 to 506	612 to 748
2	Pour Point, °C, max	IS 1448 P:10	-9	-6	-6	-3	-3	-3	-3	-3	0
3	ASTM Colour, max	IS 1448 P:12	0.5	0.5	0.5	1	1	1	1.5	1.5	1.5
4	Flash Point (COC), °C, min	IS 1448 P:69	180	180	180	200	210	220	220	240	250
5	Ash, % by mass, max	IS 1448 P:4	← 0.01 →								
6	Total Acidity, mg KOH/g, max	IS 1448 P:2	0.15	0.15	0.15	0.15	0.15	0.20	0.20	0.20	0.20
7	Inorganic Acidity	IS 1448 P:2	← Nil →								
8	Saponification Value, max	IS 1448 P:55	← 1 →								
9	Copper Corrosion, 100°C, 3 hrs	IS 1448 P:15	← 1 →								
10	Oxidation test, hours to reach acidity of 2mg KOH/g of oil, min	IS 1448 P:106	← 1000 →				← 750 →				

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.