

Commodity : Gear Oil Selling Unit : Litre												
S.No.	Parameters	Type	Value 1	Value 2	Value 3	Value 4	Validation	Unit	M	F	G	Demand aggregation
REQUIREMENTS FOR GEAR OIL												
1	Kinematic viscosity*at 40°C, cSt	Text	61.2≤ N ≤ 74.8						√	√		1
2	Flash point, Cleveland (open) cup, °C, Min	N	200						√			2
3	Viscosity index. Min	N	90						√			3
4	Pour point, °C, Max	N	-6						√			4
5	Acidity, inorganic	N	Nil						√			5
6	Copper strip corrosion test at 10±1°C for 3 h	EN	Not worse than No. 1						√			6
7	Oxidation stability @121°C, 312 h, 10 litres air/h	EN	Increase in kinematic viscosity at 100°C not exceed 6 percent						√			7
8	Rust protection	EN	No rust after 24 h with synthetic sea water						√			8
9	Ash, percent by mass,Max		0.1						√			9
10	Demulsibility : (for R and O type) Percent water in oil after		0.5						√			10
11	Demulsibility : (for R and O type) Coefficient after centrifuging, ml,Max	N	2						√	√		11
12	Demulsibility : (for R and O type) Total free water collected during test (starting with 45 ml of water), Min	N	30						√			12

13	Foam stability : volume of foam after 10 minutes, rest, ml. Max: a)Sequence I at 24°C, b)Sequence II at 93.5°C c) Sequence III at 24C after test at 93.5°C	N	10						v			13
14	Air release 50°C, minutes	N	12						v			14
15	Air release 90°C, minutes	N	NA						v			15
Packing , Marking and Labelling												
22	The material shall be supplied in suitable drums and containers of appropriate sizes and strength suitable for transport and subject to the provisions of Red Tariff Rules and Rates for the Conveyances by Rail of Explosives and Other Dangerous Goods, issued by the Indian Railway Conference Association with any alterations or additions made thereafter	CH	YES						v			22
23	The material shall be supplied in accordance with the marking and delivery instructions given by the purchaser	CH	YES						v			23
24	Each container shall be marked with the following information: a) Name, grade and type of the material; b) Indication of the source of manufacture; c) Recognized trade-mark, if any; d) Net mass of the contents; e) Month and year of manufacture; and f) Batch number or code number	CH	YES						v			24
25	Each container may also be marked with the Standard Mark	CH	YES						v			25

Certification											
26	Conforming to IS:8406 (Latest)	CH	YES						√		26
27	Whether ISI Marked	CH	YES	NO					√	√	27
28	CM/L Number(Must declare if ISI Marked)	CH	YES						√		28
Test Report Details											
29	Availability of Test Report from Central Govt/ State Govt/NABL/ILAC accredited lab(hint: Must be declared)	CH	Yes	No					√	√	29
30	Test Report Number(Must be declared, write NA if Test Report is not available)	CH							√		30
31	Test Report date(Must be declared, write NA if Test Report is not available)	CH							√		31
32	Name of the Lab(Must be declared, write NA if Test Report is not available)	CH							√		32
33	Address of the Lab(Must be declared, write NA if Test Report is not available)	CH							√		33
34	Test Report to be furnished to the Buyer on demand(Must be declared, write NA if Test Report is not available)	CH							√		34