MASTER SOLUTION FOR VEHICLE AND EQUIPMENT LUBRICATION

PRODUCT DATA SHEET

ATMA QUENCHING OILS

Description:

ATMA GENUINE QUENCHING OIL (S.M Type) OILS are general purpose quenching oils processed from high quality high viscosity index lubricants processed from solvent refined base stocks. Available in viscosity grades of light & heavy on request. Grade: Medium

Specification:

EXCEEDS the physiochemical requirements of IS: 2664 – 1980 (Reaffirmed 1996) (S.M Type)

Available packs: Available in packs of Bulk, 50LTR,210LTR

Application:

ATMA GENUINE QUENCHING OILS (S. M Type) is recommended for use in normal quenching operations on a wide variety of steel parts such as nuts, bolts, ball bearings and certain types of brake drums. These oils are suitable in situations where lower quenching speed is desired.

Performance benefits:

- **Have Good oxidation stability.**
- **Slowdown the thickening of oil and reduce oil consumption.**
- **Have good heat transfer characteristics.**
- **Have good thermal properties.**

Address: ATMA Lubricants and Specialties Ltd, Plot 169,170,
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Physiochemical characteristics:

CHARACTERISTICS	TEST METHOD (IS : 1448)	Specification as per	
		IS: 2664 – 1980 (Reaffirmed 1996)	ALSL
1. Appearance	Visual	Shall be clear, homogeneous liquid, free from water, dirt and suspended matter.	
2. Viscosity in cSt @ 40^{O}C	P : 25	20.5 – 36	24 – 32
4. Flash Point COC^{O}C, Min	P : 69	175	175
5. Pour Point ^{O}C, Max	P : 10	0	- 3
6. Inorganic acidity, Max	P : 2	Nil	NIL
7. Organic acidity, Max	P : 2	0.1	0.1
8. Ash, Percent by mass, Max	P : 4	0.01	0.01
9. Soponification value, Max	P : 55	0.5	0.5
10. Copper strip corrosion test	P : 15	Not worse than 1	Not worse than 1
11. Volatility, (loss on heating at 150°C for 2 hrs.) %by mass Max	Appendix A of IS:2664 – 1980	4	4
12. Resistance to oxidation:	P : 65		
a) Kinematics viscosity of oxidized oil at 40°C, cSt	P : 25	Not more than 1.7% of the oxidized oil at the same temp.	Not more than 1.4% of the oxidized oil at the same temp.
b) Carbon residue by conradson of the oxidized oil, percent by mass	P : 122	2.0	1.0
c) Insolules in the oxidized oil, d) percent by mass, max	Appendix B		
e) Acidity of the oxidized oil, f) organic, mg KOH/gm , max	P : 2	1.0	0.6

NOTE:

ALSL has policy of continual improvement. ALSL reserves the right to alter/modify/change the above characteristics

for improvement of quality with in the requirements of specification for Quenching oil (IS:2664 – 1980 (Reaffirmed 1996)

1. **The above data is indicative values only. Minor variations, which do not affect product performance or quality,**

   may be expected in manufacture.

2. **Specific requirements shall be custom made on request.**

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