



MASTER SOLUTION FOR VEHICLE AND EQUIPMENT LUBRICATION

## PRODUCT DATA SHEET

### ATMA GPM OILS

#### Description:

ATMA GENERAL PURPOSE MACHINERY (GPM) OILS are high quality lubricants processed from solvent refined base stocks. These lubricants have good inherent oxidation stability.

These lubricants are available in viscosity grades of VG 32 / 46 / 68 / 100 / 150 / 220 / 320 /460.

#### Specification:

**Exceeds IS: 493 (Part-I)1981 (Reaffirmed in 1993) [specification for general purpose machinery and spindle oils PART-I machinery oils].**

**Available packs: Available in packs of Bulk & 210LTR**

#### Application:

ATMA GPM oils are recommended for non-critical (Total loss) applications like bearings, conveyor belts, chain conveyors, spindles and all parts of a machine exposed to air. These oils are also recommended for lubrication of general machine elements (guide ways, tool ways, bearings and transmission lines), Industrial equipment (like spinning machines, jute processing machinery, pneumatic tools, paper machinery, conveyers, chains, open gear boxes, Machine tools (like Lathe, Milling m/c s etc.,) and for lubrication of guide ways, transmission.

#### Performance benefits:

- These oils Have good inherent oxidation stability.
- Protect machine elements from excessive wear.
- These oils do possess rust Prevention characteristics.



## Physiochemical characteristics:

CHARACTERISTICS	TEST METHOD <i>IS :1448</i>	VG 32	VG 46	VG 68	VG 100	VG 150	VG 220	VG 320	VG 460
1. Appearance	Visual	Clear, bright and free from water, dirt and other suspended impurities.							
2. ASTM Colour, Max	P : 12	4.0	4.0	5.0	5.0	7.5	8.0	8.0	8.0
3. Kinematic Viscosity in cSt @ 40°C	P : 25	30 - 34	44 -48	64 -72	90 - 110	135 - 165	198 - 242	288 - 352	420- 480
4. Flash Point (COC) °C, Min	P : 69	150	160	160	170	170	200	200	240
5. Pour point °C, Max	P : 10	0	0	0	0	0	0	0	0
6. Copper strip corrosion	P : 15	<-----Not worse than 1----->							
7. Total Acidity	P : 2	0.15	0.15	0.15	0.15	0.15	0.2	0.2	0.2
8. Inorganic acidity	P : 2	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
9. Saponification Value, max	P : 55	1	1	1	1	1	1	1	1
10. Ash percent by mass, Max	P : 4	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

- NOTE:**
1. 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 GPM oil (IS:493(Part I) – 1981 (Reaffirmed 1993)
  2. The above data is indicative values only. Minor variations, which do not affect product performance or quality, may be expected in manufacture.