



MASTER SOLUTION FOR VEHICLE AND EQUIPMENT LUBRICATION

PRODUCT DATA SHEET

ATMA MESH EP (INDUSTRIAL EP GEAR OILS)

Description:

ATMA MESH EP Oils are Industrial EP Gear oils processed from high viscosity index Group I base stocks with antirust, antioxidant, anticorrosion, antifoam, antiwear and demulsion inhibitors for better anti wear and higher oxidation resistance. These oils are available in viscosity grades of VG 46, VG 68, VG 100, VG 150, VG 220, VG 320, VG 460.

Specification:

Meets the below physiochemical characteristics of IS: 8406-1993.

#AGMA Standard 250.04

#US Steel 224

Available in packs of 20,50, Bulk,210Ltrs

Application:

ATMA MESH EP Oils are recommended for use in enclosed and semi-enclosed industrial gear system employing of spur, straight bevel, spiral bevel, worm, herring - bone and helical. Where tooth pressures and pitch line velocities are such that use of straight mineral oil is unsuitable. These oils does not cover lubricants for food and drug industries and those required to be operated under extremely severe and hostile environment as indicated below.

- a) Gear drives operating at speeds over 3 600 rev/min and / or pitch-line velocities exceeding 1 500 m / min;
- b) Lubricants sump temperatures generally exceeding 100°C;
- c) Applications where incidental contact may occur with the product under manufacture; and
- d) Gear drives operating in chemical and dust laden atmospheres.

Performance benefits:

- Good demulsifiability properties.
- Low foaming tendency
- Good Anti-Wear protection
- Rust and Corrosion protection

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Physiochemical characteristics:

PARAMETER	TEST METHOD IS :1448	VG 68	VG 100	VG 150	VG 220	VG 320	VG 460
1. Appearance	Visual	C&B*	C&B*	C&B*	C&B*	C&B*	C&B*
2. Kinematic Viscosity in cSt @ 40°C	P : 25	64 - 72	95-105	145-155	210 - 230	320 - 340	420 - 500
3. Viscosity Index Min	P : 56	90	90	90	90	90	90
4. Flash Point (COC) °C, Min	P : 69	200	200	200	230	230	230
5. Pour point °C, Max	P : 10	- 6	- 6	- 6	- 3	- 3	0
6. Inorganic acidity	P : 2	NIL	NIL	NIL	NIL	NIL	NIL
7. Copper strip corrosion test (10±1°C for 3hours)	P : 15	Not worse than No. 1	Not worse than No. 1	Not worse than No. 1	Not worse than No. 1	Not worse than No. 1	Not worse than No. 1
8. Ash, percent By mass, Max	P : 4	0.1	0.1	0.1	0.1	0.1	0.1
9. Foaming stability	P : 67	Passes	Passes	Passes	Passes	Passes	Passes
10. Rust test, 24 h.	P : 96	Passes	Passes	Passes	Passes	Passes	Passes

* - Homogenous and free from water, dust, sediment and suspended impurities.

Performance Additives are blended at recommended treatment level in the above base stocks to meet Demulsibility, Timken EP load test and 4 ball EP & wear test, FZG Niemann EP test of the standard

NOTE 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.

Note: Being there is no changes in the content of the document, the document Reference No. SPC/0244 was followed till date.