

MAK AMOCAM PLUS

Description

MAK Amocam Plus is premium energy efficient gear oil prepared from high viscosity index superior quality Hydro finished base oils. MAK Amocam Plus possesses exceptional load carrying and anti-wear properties, an essential quality which enhances gear life. It has higher load bearing capacity for use in severe Applications.

MAK Amocam Plus meets Flender's requirements for anti micro pitting gear oil and it is highly recommended to be used where micro pitting is involved due to shock loads. Besides, it has additional approvals from bearing manufacturers SKF and FAG which permits its use for bearing applications also. It possesses outstanding thermal stability and resistance to oxidation even at high temperatures

Application

MAK Amocam Plus can be used for the lubrication of all types of modern industrial enclosed gear drives operating at high load & speed conditions. The need of such gear oil increases wherever there is possibility of shock loads as in case of enclosed spur, helical, herring bone, bevel and planetary gearboxes.

Benefits

- Significantly reduces energy consumption in gearboxes
- Possess excellent oxidation and thermal stability.
- Excellent Micro-pitting performance.
- Exhibits good anti-foam characteristics.
- Exhibits high level of performance in respect of anti-wear and extreme pressure property

Performance Level

- IS 8406: 1993 (EP Type) [Reaffirmed March, 2001]
- IPSS: 1-09-003
- US Steel 224
- DAVID BROWN S. 1. 53. 101Type E
- DIN 51 517 PART 3
- AGMA 9005-E02 (EP)
- Micro-pitting performance - Flender AG
- Approved by FLSmidth MAAG Gear AG
- Cincinnati Milacron P-74

Technical Specifications

Characteristics	Test Method	MAK AMOCAM PLUS 150	MAK AMOCAM PLUS 220	MAK AMOCAM PLUS 320	MAK AMOCAM PLUS 460
Appearance	visual	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Kinematic Viscosity, 100°C cSt	ASTM	14.85	19.20	24.6	30.7
Kinematic Viscosity, 40°C, cSt	D 445	152.9	225.9	324.1	462.3
Viscosity Index	ASTM D 2270	95	96	97	96
Pour Point, °C	ASTM D 97	-12	-09	-06	-06
Flash Point, (COC), °C	ASTM D 92	250	254	256	258
Copper corrosion @100°C, 3 hrs	ASTM D 130	1b	1b	1b	1b
Foam Tendency /Stability, (ml/ml)	ASTM D 892				
Seq I		0 / 0	0 / 0	0 / 0	0 / 0
Seq II		10 / 0	10 / 0	10 / 0	10 / 0
Seq III		0 / 0	0 / 0	0 / 0	0 / 0
Timken OK Load (lb)	ASTM D 2782	75	80	80	80
FZG Gear test, Pass load stage A/16.6/90	DIN 51354-2	>12th	>12th	>12th	>12th
FZG micro pitting, 90°C, Damage load stage	FVA 54	≥10	≥10	≥10	≥10

All the mentioned values are typical which may vary from batch to batch

Storage and Handling

- Indoor Storage is always preferable
- Barrels should be kept horizontally with bunk position at 3 O'clock 9 O'clock position
- Barrels should be kept away from dusty or heated areas.
- During handling any contact with dust must be avoided

Health & Safety

This grade is not hazardous under normal conditions of use. For further guidance appropriate Material Safety Data Sheet may be referred.

Advice

For any further advice on applications or otherwise please contact the nearest Bharat Petroleum Territory Office or Technical Services Department at the address given below.

Bharat Petroleum Corporation Ltd.

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