

# MAK AMOCAM PLUS

## Description

MAK Amocam Plus is premium energy efficient gear oil prepared from high viscosity index superior quality Hydro finished base oils. It contains unique friction modifiers which reduces traction force and thus improves power transmission and gear efficiency and reduces power consumption.

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 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

- 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. 101
- DIN 51 517 PART 3
- AGMA 250.04 5EP & AGMA 251.02 5EP
- Micro-pitting performance - Flender AG

## Technical Specifications

Characteristics	ASTM	MAK AMOCAM PLUS				
		100	150	220	320	460
Appearance	visual	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Kinematic Viscosity, 100°C cSt	D 445	11.48	15.1	19.35	24.6	30.6
Kinematic Viscosity, 40°C cSt		100.4	150.6	220.3	320.8	460.5
Viscosity Index	D 2270	101	100	99	98	96
Pour Point, °C	D 97	-15	-15	-15	-15	-12
Flash Point COC, °C	D 92	248	252	254	252	258
Copper corrosion @100°C, 3 hrs	D 130	1b	1b	1b	1b	1b
Foam Tendency /Stability, ml	D 892					
Seq I		0 / 0	0 / 0	0 / 0	0 / 0	10 / 0
Seq II		10 / 0	10 / 0	10 / 0	10 / 0	20 / 0
Seq III		0 / 0	0 / 0	0 / 0	0 / 0	10 / 0
Timken OK Load (lb)		75	75	80	80	80
FZG micropitting, 90C		≥10	≥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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