

# **MAK D GEN**

## **Description**

MAK D GEN is exclusively formulated multi-grade diesel engine oil for modern, highly rated, turbocharged DG sets that power mobile towers. It is manufactured using superior quality base oils and advanced additive chemistry. This oil is recommended for 400 hrs under normal operating conditions. This oil provides round the clock protection to DG set engines operating under severe conditions.

## **Application**

Recommended for use in all models of naturally aspirated and turbocharged DG Sets.

## **Benefits**

- Superior protection against wear, especially engine scuffing & bore polishing, of engine components at all operating temperatures
- Enhanced thermo-oxidative stability ensures reduced engine deposits thereby keeping the engine clean
- Ensures easy engine start even at low ambient temperatures
- Longer oil and engine life

## **Performance Level**

- API CF-4/ SG
- MB 228.1

## Technical Specifications

Characteristics	ASTM method	Requirements	MAK D GEN
Appearance	--	--	Clear & Bright
Colour, Visual Observation			Brown
Density @15°C, gm/ml	D 1298	--	0.8700
Kinematic Viscosity, cSt at 100°C	D 445	12.5 to 16.3	14.20
Viscosity Index	D 2270	95 min.	135
Pour Point, °C	D 97	-24 max.	-24
Flash Point, (COC), °C	D 92	190 min.	232
Foaming Tendency / Stability : Qty. Of foam in ml	D 892		
a) Sequence I		25 / Nil	Nil / Nil
b) Sequence II		150 / Nil	10 / Nil
c) Sequence III		25 / Nil	Nil / Nil
Copper corrosion @100°C for 3 hrs	D 130	1 max.	1a

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 Material Safety Data Sheet (MSDS) 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.

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