

# MAK TURBO SHPD

## Description

These are premium quality high performance diesel engine oils blended from highly refined base oils and state-of-the-art performance additive system. Owing to their superior capability to combat oil thickening and wear protection, they have good potential to increase drain periods and engine life.

## Application

These are recommended for high-powered turbocharged and naturally aspirated diesel engines in on-highway & off-highway application requiring long drain engine oils.

## Benefits

- Excellent engine cleanliness
- Reduced oil thickening tendency
- Outstanding protection against valve train wear and bore polish
- Multigrade versions are suitable for all seasons and help in reducing oil consumption.

## PERFORMANCE LEVEL

- API CF-4
- MB 228.2 (Only SAE Grades 30, 40 & 50)
- MB 228.3 (Only SAE Grade 15W-40 & 20W-40)
- ACEA E3-96
- IS 13656 : 2002 Type EDL6

## Technical Specifications

Characteristics	ASTM	MAK TURBO SHPD			
		30	40	15W-40	20W-40
Appearance	--	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Colour, Visual Observation	--	Brown	Brown	Brown	Brown
Density @15°C	D1298	0.9080	0.9100	0.9080	0.9100
K.V at 100° C, cSt	D445	11.47	15.20	14.20	14.40
Viscosity Index	D2270	98	97	134	115
Flash Point, (COC), °C	D92	226	240	226	232
Pour Point, °C	D97	-9	-9	-27	-24
Copper corrosion @ 100°C for 3 hrs.	D130	1a	1a	1a	1a
Foaming Tendency / Stability: Qty. of foam in ml a) Sequence I b) Sequence II c) Sequence III	D892	Nil / Nil 10 / Nil Nil / Nil	Nil / Nil 10 / Nil Nil / Nil	Nil / Nil 10 / Nil Nil / Nil	Nil / Nil 10 / Nil Nil / Nil

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 bung 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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