

MAK MA

Description

These are formulated with superior quality base oils and latest generation detergent-dispersant additive.

Application

- This is recommended for use in MTU engines for marine and coast guard application.
- These oils are approved by MTU Germany for use in their entire diesel engine series including 2000 & 4000.

Benefits

- Provides effective control over engine deposits, wear and soot contaminants.
- Multigrade version is suitable for all seasons and helps in reducing oil consumption.

PERFORMANCE LEVEL

- API CG 4 / SJ
- MTU Specification MTL 5044 for Category 1
- ACEA A2-96 Issue 2 / B3-98 / E2-96 Issue 3
- MB 228.0 / 1
- Volvo VDS

Our grades meet above specifications for the respective viscosity grades.

Technical Specifications

Characteristics	ASTM	TYPICAL	FIGURES
		40	15W-40
Appearance	--	Clear	Clear & Bright
Colour, Visual Observation	--	Brown	Brown
Density @15°C, gm/ml	D1298	0.8920	0.8740
K.V at 100° C, cSt	D445	14.6	14.3
Viscosity Index	D2270	100	147
Pour Point, °C	D97	-9	-24
Flash Point, (COC), °C	D92	246	226
Copper Corrosion @ 100° C for 3 hrs	D130	1a	1a

Storage and Handling

- Indoor Storage is always preferable.
- Barrels should be kept horizontally at 3'o'clock 9 'o clock position.
- Barrels should be kept away from dusty or heated areas as much as possible.

Health and Safety

These oils are not hazardous under normal conditions of use. For further guidance appropriate Material Safety Data Sheet may be referred.

Advice

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