



# Makina Grease & Lubricants Manufacturing L.L.C.

## MarEng 4030

### Description

MarEng 3030 & MarEng 4030 is a multifunctional crankcase lubricant for highly rated medium speed diesel engines operating on residual fuel. MarEng 4030 is designed for conditions of moderate oil stress.

### Application

- Good wear performance.
- Good thermal & anti-oxidation stability.
- Excellent anti-foam properties.
- Tolerant to water contamination.
- Rapid neutralization of acidic combustion products gives long term protection against corrosion of ferrous and non-ferrous metals.
- Suitability for centrifugal separators high detergency/low detergency formulation releases contaminants and water readily in centrifugal separator.
- Marine engine reduction gears and certain other shipboard applications, where specialist lubricants are not required.

### Care and Handling

- Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

### Packing and Storage

- Supplied in bulk and drum of approximately 210 liters. Ensure drums are tightly re-sealed after use.
- All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum marking.
- Product should not be stored above 60°C, exposed to hot sun or freezing condition.



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## Typical Characteristics

PROPERTIES	UNITS	TEST METHOD	4030
SAE VISCOSITY GRADE			40
KINEMATIC VISCOSITY, at 40°C	mm <sup>2</sup> /s	ASTM 445	130
KINEMATIC VISCOSITY, at 100°C	mm <sup>2</sup> /s	ASTM 445	13.7
VISCOSITY INDEX		ASTM D2270	>95
DENSITY at 15°C	kg/L	ASTM D-4052	0.905
FLASH POINT (PMCC)	°C	ASTM D93	>200
POUR POINT	°C	ASTM D97	<-21
TOTAL BASE NUMBER	mg/KOH/g	ASTM D2896	30
SULPHATED ASH	%wt	ASTM D874	3.7