



# SERVO<sup>®</sup> PRODUCT DATA SHEET

## SERVO MARINE 10 & 20



IndianOil

### GRADES AVAILABLE - SERVO MARINE 1030, 1040, 2030, 2040

#### DESCRIPTION

Servo Marine 10 and 20 series oils are new generation Marine Engine Oils developed to meet the requirement of modern medium speed trunk piston engines and high speed engines used in Marine propulsion and Land based DG sets, operating on distillate fuels or marine diesel fuel having sulphur content upto 1%.

These oils also exhibit better TBN retention, dispersancy characteristics and superior anti-wear protection when compared with any commercial API CD level oil.

#### PERFORMANCE BENEFITS

- Provides maximum protection from - adhesive and corrosive wear at the higher operating temperatures.
- Ensures outstanding Piston and Liner cleanliness.
- Provides higher level of TBN retention.
- Provides reduced Ring and Liner wear.
- Separates easily from water.

#### APPLICATION

Servo Marine oils are recommended for use in Marine propulsion engines and land based DG sets operating on distillate fuels or marine diesel fuel with sulphur content upto 1%.

#### PERFORMANCE STANDARDS

- Servo Marine 10 & 20 series oils meet –
- American Petroleum Institute (API) service classification CD.
  - Passes MWM-B engine test for high temperature deposit control.

#### MANUFACTURERS APPROVAL

Servo Marine oils are approved by

- ☞ Rolls Royce, U.K for Allen Engines
- ☞ Ulstein Bergen, Norway
- ☞ Kirloskar Oil engines Ltd., Pune

### CHARACTERISTICS

GRADE	1030	1040	2030	2040
SAE GRADE	30	40	30	40
Kin. Viscosity cSt @ 100°C	11.3 – 12.4	14.4 – 15.5	11.3 – 12.4	14.4 – 15.5
Viscosity Index, Min	90	90	90	90
Flash point (COC), °C Min.	220	230	220	230
Pour Point, °C Max.	(-) 15	(-) 12	(-) 15	(-) 12
Total Base No., mg KOH/g, Min	10	10	20	20

### HEALTH & SAFETY

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.

For further information please contact our nearest office OR :

Technical Services Dept., Indian Oil Corporation Ltd., G-9, Ali Yavar Jung Marg, Bandra (East), Mumbai – 400 051

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