

DESCRIPTION

Servo Marine oils are 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 / residual fuels.

These oils also exhibit better TBN retention, dispersancy characteristics and superior anti-wear protection.

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 103 & 104 is recommended for use in Marine propulsion engine and land based DG sets operating on distillate fuels.

Servo Marine 203/204 are recommended for use in new generation highly rated turbo charged medium speed trunk piston diesel engines burning Marine Diesel fuel or residual fuel or moderate Sulphur content upto 2%.

Servo Marine 303/304/403/404 are recommended for use in new generation highly rated pressure charged, medium speed, trunk piston diesel engines burning high viscosity residual fuel having over 2% Sulphur content.

Servo Marine 705 recommended for cylinder lubricant of highly rated 2 stroke cross head turbo charged engines burning residual fuel of high viscosity and high sulphur content.

CHARACTERISTICS

GRADE	103	104	203	204	303	304	403	404	705
SAE GRADE	30	40	30	40	30	40	30	40	50
K.Vis. cSt @ 100°C	11.3-12.4	14.2- 15.5	11.3-12.4	14.2-15.5	11.3-12.4	14.2 - 15.5	11.3 - 12.4	14.2 - 15.5	19.3-21.5
Vis. Index, Min	90	90	90	90	90	90	90	90	90
Flash Point (COC), °C Min.	220	230	220	230	220	230	220	230	230
Pour Pt, °C Max.	(-) 18	(-) 12	(-) 18	(-) 12	(-) 18	(-) 12	(-) 18	(-) 12	(-) 6
TBN,mg KOH/g,Min	11	11	19	19	28	28	38	38	66

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

E-Mail: servotechserv@indianoil.in **OR** servots@indianoil.in