Technical Data Sheet

Marine System Oil Dana Lubes

Made in UAE

INTRODUCTION

DANA MARINE SYSTEM OILS are marine oils especially designed for the crankcase lubrication of slow speed 2 stroke cross head Diesel engines & also suitable for plain bearings of turbochargers, shaft bearings, stern tube and seals. The formulation has maximum antiwear properties, good rust protection in the presence of salt water, and excellent water separation characteristics.

APPLICATIONS

DANA MARINE SYSTEM OILS are designed for Crankshaft lubrication, cooled pistons & Shaft bearing lubrication.Primarily recommended for use as system oil in late model, high-output, crosshead diesel engines, especially those engines employing the system oil for piston cooling. It will prevent or reduce deposit formation in the piston cooling spaces, thus maintaining piston cooling efficiency and reducing the incidence of piston top burning and piston crown cracking.

PROPERTIES

DANA MARINE SYSTEM OILS are formulated from high quality paraffinic base oils along with a balanced additive system to provide excellent protection even for the severe operating conditions of the latest design, high-output cross- head marine diesel engines. In addition, the alkalinity is sufficient to neutralize crankcase contaminations or acidic combustion products in a less demanding four-stroke trunk piston diesel engine running on distillate fuel.

PRODUCT BENEFITS

- Very good detergency level.
- Very good thermal stability.
- Very good anti-oxidant characteristics.
- Excellent anti-rust and anti-corrosive properties.
- Excellent deposit control of oil-cooled piston under crown
- Excellent capacity for water separation.
- Excellent capacity for insoluble separation.
- Good anti-wear properties.
- High resistance to foaming.
- Clean crankcase

TECHNICAL PROPERTIES

	M-SYS 20	M-SYS 30	M-SYS 40
SAE Viscosity Grade	20	30	40
Product code	12685ML	12686ML	12687ML
Density at 15°C, g/ml, ASTM D4052	0.890	0.890	0.895
Kinematic Viscosity at 40°C, mm^2/s, ASTM D445	70	105	150
Kinematic Viscosity at 100°C, mm^2/s, ASTM D445	8.8	11.61	14.7
Viscosity Index, ASTM D2270	97	97	97
Flash Point(COC), °C, ASTM D92	>220	>220	>230
Pour Point, °C, ASTM D97	-6	-9	-9
Total Base Number, mg KOH/g, ASTM D2896	6	6	6
Sulphated Ash, %wt, ASTM D874, max	0.73	0.73	0.73

STANDARD PACKING: (net weight) drums 208 Litre Drum.

SAFETY AND HANDLING: We recommend information on safety and handling to the MSDS of the product.

DANALUBES®