



MARINE MCL 25, 40, 50, 70, 100

Slow-Speed Engine Oils

Magic Plus MCL is a range of alkaline marine cylinder lubricants for all low speed marine two stroke diesel engines, including low Sulphur applications, highly rated large bore engines and engines at optimized feed rates. These oils are blended with highly refined base oils and carefully selected additives to provide excellent ring and liner wear protection and piston cleanliness in slow-speed crosshead diesel engines.

Applications:

Magic Plus MCL is a range of high quality cylinder lubricants for low speed marine diesel crosshead engines running on residual fuel. The total alkaline content of the cylinder lubricant has to match the Sulphur content in the fuel and it might be necessary to adjust feed rate accordingly. Magic Plus MCL 25 is used for slow-speed engines running on ECA fuels below 0.1% Sulphur. Magic Plus MCL 40 & 50 is optimized for low Sulphur fuel with Sulphur content up to <2% wt. Magic Plus MCL 70 & 100 are optimized for fuel with Sulphur content >1.5%.

Features & Benefits:

- Excellent thermal and oxidation stability and detergency
- Excellent deposit control
- Allows operation at optimized feed rates
- Excellent Anti-wear properties
- Reduced liner and ring wear
- Extended time between overhauls

Specifications: (Meets / Exceeds)

- MAN Diesel & Turbo
- MHI-MME and Wärtsilä
- Mitsubishi Heavy Industries

Technical Data:

Parameters	ASTM	Unit	Typical Results				
			MCL 25	MCL 40	MCL 50	MCL 70	MCL 100
Product							
Viscosity Grade			50	50	50	50	50
Viscosity @ 212 °F / 100 °C	D-7042	cSt	19	19	19	19	19
Viscosity Index	D-2270		96	96	96	96	96
Density @ 60 °F / 15 °C	D-4052	g/cm ³	0.908	0.920	0.930	0.940	0.950
Flash Point (min)	D-92	°C	250	250	250	250	250
Pour Point (min)	D-97	°C	-9	-9	-9	-9	-9
TBN	D-2896	mg KOH/g	25	40	50	70	100

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil into drains or the environment. Dispose to an authorized used oil collection point. This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. For further Information on Safety Guidelines please refer to MSDS available on our website magicplusoil.net

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