

## TECHNICAL SPECIFICATION

# ALPHA OPTIMA MARINE SYSTEM OILS

### Description :

Oil that is strengthened to form a protective film that maintains lubrication, protecting the equipment against rust in the presence of humidity. It stands out for its excellent adherence, high emulsifying capacity, resistance to being washed with water and high anti-wear power for preventing metal-to-metal contact.



### Recommendations And Specifications :

The presence of water in lubrication circuits in this equipment is almost inevitable. That is why alpha ms oil has been strengthened with emulsifying additivation, thanks to which the water and oil are maintained in a single phase, so the circuit always has oil, thus preventing the pump from delivering only water to the lubricant circuit.

### SPREAD SHEET :

LUBRICANTS	TEST METHODS	OPTIMA D 2005	OPTIMA D 3005	OPTIMA D 4005	15W40
SAE / ISO	SAE	20	30	40	CI4
Density Kg/m3 15°C - 20°C	ISO 3675	0.888	0.889	0.890	0.890
Flash point °C	ISO 2592 ASTM D 92	> 220	> 220	> 220	> 230
Pour point °C	ISO 3016	-12	-12	-12	-12
Viscosity mm2/s 100°C	ISO 3104	9	11.5	16	18
Viscosity @40	D 7042	72	92	115	145
Viscosity index	D 2270	> 98	> 98	> 98	138
BN mg KOH/g	ASTM D 2896	5	5	5	12.8

**AT ALPHA ENERGY PETROLEUM INDUSTRIES, WE FOCUS ON CREATING ADVANCED LUBRICANTS AND LUBRICANT COMPOUNDS THAT ENHANCE MACHINE EFFICIENCY AND EXTEND SERVICE LIFE.**

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