

## TECHNICAL SPECIFICATION

### ALPHA OPTIMA MARINE CYLINDER OILS

#### Description :

Alpha Energy's innovative range of marine cylinder oils is suitable for two-stroke diesel engines. Our full range of marine cylinder oils are designed to be simple, useful and able to reduce the risk of engine failure.



#### Recommendations And Specifications :

Alpha Energy Group Marine Cylinder Oils ( 50/25 - 50/40 -50/55 - 50/70 - 50/100 ) has high acid neutralization, which ensures excellent potency

Maintains the protection of marine cylinders over long periods from using residual high-sulfur fuel, which prevents Corrosion due to the formation of sulfuric acid. which prevents the wear and tear of the roller, This it can extend the life of the engine and reduce the chances of maintenance

#### SPREAD SHEET :

CYLINDER OILS	TEST METHODS	OPTIMA 50/25	OPTIMA 50/40	OPTIMA 50/55	OPTIMA 50/70	OPTIMA 50/100
SAE GRADE	SAE	50	50	50	50	50
APPEARANCE	VISUAL	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
Density Kg/m <sup>3</sup> 15°C - 20°C	D 1298	0.900	0.910	0.910	0.920	0.930
Flash point °C	D 92	> 230	> 230	> 230	> 230	> 230
Pour point °C	D 97	> -18	> -18	> -18	> -18	> -18
Viscosity mm <sup>2</sup> /s 100°C	D 445	20.5 19-21.8	20.5 19-21.8	20.5 19-21.8	20.5 19-21.8	20.5 19-21.8
Viscosity @40	D 7042	208 186-215	208 186-215	208 186-215	208 186-215	208 186-215
VISCOSITY INDEX	D 2270	> 98	> 98	> 98	> 98	> 98
TBN,MG KOH/G	D 2896	25	40	55	70	100

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