

# PRODUCT DATA SHEET



## Athen Marine CYL Oil 5055

Marine Cylinder Oil specially designed to provide reliable lubrication for modern slow-speed 2-stroke marine engines.

### Product Description

**Athen Marine CYL Oil 5055** is a high-performance cylinder lubricant specifically optimized to lubricate slow-speed crosshead engines using reduced sulfur fuel (0.5% to max 3.5 wt.% sulfur as stipulated by Marpol Annex VI Agreement) operating at very high mechanical and thermal loads. It is blended from highly refined, paraffinic base oils and carefully selected additives to provide superior ring and liner wear protection.

### Features & Benefits

- Excellent thermal and oxidation stability
- Exceptional antiwear properties
- Outstanding detergency capability
- High TBN level and retention
- Fully miscible and compatible with single-phase alkaline diesel cylinder lubricants generally known to the international marine trade

### Applications

- Cylinder oil is recommended for lubricating the cylinders of all crosshead-type marine diesel engines using lower sulfur fuel (0.5% to max 3.5% sulfur) and operating at high specific power outputs and high thermal loads
- It has been developed for marine crosshead engines designed for increased power and fuel efficiency.
- The guidelines of fuel cleanliness and compatibility of mixed fuels recommended by the manufacturer should be strictly followed

Athen Marine CYL Oil 5055		
Typical Characteristics	SAE Grade 50	BN 55
Performance meets/exceeds	MAN Diesel & Turbo, Mitsubishi Heavy Industries, and Wartsila Gas & Diesel Ltd	
Test Parameters	ASTM Method	Typical Values
Density @ 15°C, kg/l	D 1298	0.9170
Viscosity @ 100°C, cSt	D 445	19.5
Viscosity Index	D 2270	102
Flash Point, °C	D 92	250
Pour Point, °C	D 97	-15
BN, mg KOH/g	D 2896	55

"Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations that do not affect product performance are expected in normal manufacturing. This product should not be used for any purpose other than those expressly set out in this PDS"