

# AVIN Marine Series

## Crankcase System Oils



## Technical Data Sheet

### PAN OIL M-530

MAN DIESEL & TURBO (MDT) NOL; API Service CC

#### Description

PAN OIL M-530 is an alkaline-type detergent lubricating oil for use in the crankcase system of slow-speed, high-output crosshead marine diesel engines, particularly engines with oil-cooled pistons.

PAN OILS M-500 oils are formulated using high VI paraffinic base oils and a balanced additive package including corrosion, antiwear, oxidation inhibitors and alkaline detergent/dispersant & antifoam agents.

#### Functional Characteristics

- Excellent thermal and oxidation stability.
- Protection against rust and corrosion.
- Reduced piston cooling space and engine deposits.
- Good foam resistance.
- Neutralization of acid products of combustion.
- Good water separation properties.

#### Typical Use

PAN OIL M-530 carries a non-objection letter from MDT as an accepted for use system oil in highly-rated, two-stroke marine engines. It is most suitable for engines with oil-cooled pistons but are also suitable for those powertrains with water-cooled pistons. This oil meets the API Service CC.

#### Typical Characteristics

PAN OIL	M-530
SAE	30
Specific gravity at 15°C/4°C	0,891
Viscosity at 40°C, cst	111,0
Viscosity at 100°C, cst	11,8
Viscosity Index	93
Flash Point (C.O.C.), °C	225
Pour Point, °C	-15
TBN	5