

# AVIN Marine Series

Heavy Duty Engine Oils



## Technical Data Sheet

### FORCE 3

ACEA E2, API SJ/CG-4, MERCEDES BENZ 228.1, MAN 271, MTU TYPE 1

#### Description

FORCE 3 is a premium quality multigrade engine oil allowing for overall engine protection. FORCE 3 complies with the requirements of all major engine OEMs, such as MTU and MERCEDES-BENZ.

It is a high quality and very reliable mixed-fleet engine oil, suitable for both gasoline and diesel engine units to be found in a number of shore and offshore applications.

#### Functional Characteristics

- High detergency & dispersancy properties.
- Corrosion protection.
- Oxidation resistance at high temperatures.
- Enhanced antiwear protection and overall engine protection.

#### Typical Use

FORCE 3 is a mixed-fleet engine oil. It is designed for use in a wide range of European, North American and Far East engines, both naturally-aspirated and turbocharged ones operating in shore on-/off-highway and offshore applications.

#### Typical Characteristics

FORCE 3		
SAE	15W-40	20W-50
Specific gravity at 15°C/4°C	0,884	0,893
Viscosity at 40°C, cst	105,0	170,0
Viscosity at 100°C, cst	14,0	19,0
Viscosity Index	135	125
Flash Point (C.O.C.), °C	210	220
Pour Point, °C	-30	-27