

Data Sheet

MP TIDE MARINE ENGINE OIL 15W40

Oneoil PlusMarine Diesel Engine Oil 15W-40 is suitable for all modern marine diesel engines and generator sets. It also meets the very high requirements of turbo-charged engines and engines with modern valve technology. This mineral oil provides low oil consumption, excellent rust and internal corrosion protection and detergents to maintain engine cleanliness. As a result, optimal combustion and low exhaust emission values are ensured. exceeds the requirements of: API CI-4, ACEA A3/B3, A3/B4, E7, MB 228.3/229.1, MAN M3275, Volvo VDS-3, Cummins CES 20071/ 20072 / 20076 / 20077, CAT ECF-1

Product use: Marine Oils

Company Identification:

Oneoil PlusUSA

www.oneoilplus.com

TYPICAL CHARACTERISTICS

API CI-4/CH-4/SL		
ACEA E7, Daimler Chrysler MB 228.3,		
MTU Type 2, Caterpillar ECF-2/ ECF-1A, Cummins CES 20078,		
MAN M3275-1, Volvo VDS-3,		
Mack EO-N, Detroit Diesel 93K215		
Typical Properties		
Test Parameters	ASTM Method	Typical Values
Viscosity @ 100 °C, cSt	D 445	15.2
Viscosity Index	D 2270	137
Flash Point, °C	D 92	236
Pour Point, °C	D 97	-39
BN, mg KOH/g	D 2896	10.0
Density @ 15 °C, Kg/l	D 1298	0.875
Sulphated Ash, wt%	D 874	1.23

Revision No. 1

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Marine Diesel Engine Oil

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PRODUCT AND COMPANY IDENTIFICATION

Oneoil PlusTIDE 2TW is top quality self-mixing oil designed with highly refined base stocks and unique ash less

additive system for the superior protection of all water-cooled two-stroke gasoline outboard engines. Also

applicable for use in Direct Fuel Injection (DFI) capable two-stroke recreational oils.

Performance Specifications / Standards

NMMA Recertified TC-W3

Company Identification:

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APPLICATIONS

Specifically intended for the lubrication of most-modern, high-powered, water-cooled, two-stroke cycle gasoline engines used in marine outboard services, using fuel to oil ratios of 50:1, or higher, are now recommended, particularly for high-output engines.

Performance Features & Benefits

- ☒ Superior protection against piston and cylinder scuffing.
- ☒ Outstanding filterability.
- ☒ Exceptionally high resistance to heat generation and frictional power losses.
- ☒ Highly effective control over wear, rust, corrosion and ring sticking to ensure long life of moving parts.
- ☒ Trouble free ignition and protects blocking of the exhaust ports and plugs.
- ☒ Right level of detergency to keep the engine clean.
- ☒ Self-mixing capacity ensures immediate formation of a homogenous blend at all temperatures.

Typical Physical Characteristics

Density @ 15C, kg/cu.m	0.870
Kinematic Viscosity @ 40C, cSt	38.13
Kinematic Viscosity @ 100 C, cSt	6.4 120
Viscosity Index	110
Flash Point, COC,C	-35
Pour Point, C	8.81
TBN, mgm KOH/gm	<0.001
Sulphated Ash, % wt	Pass
Detergency test	

Data Sheet

PRODUCT TYPE AND COMPANY IDENTIFICATION

Oneoil PlusSpecial MP-II is long-life performance insulating oil and coolant with high level of dielectric strength,

designed with extremely filtered thermally & chemically stable base stock to provide protection for a wide

range of transformers and other electrical equipment.

Performance Specifications / Standards

Transformer Oil Inhibited: ASTM D3487 Type IIA (inhibited)

Transformer Oil: ASTM D3487 Type II

Company Identification:

Oneoil PlusUSA

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APPLICATIONS

Recommended for use in transformers, rheostats, circuit breakers, oil-immersed high-voltage switchgears, condensers, Tap changers, electrical re-closures, fuses and other electrical equipment, operating under critical conditions, subject to great thermal stresses.

Performance Features & Benefits

Excellent fluidity provides efficient functioning at extremely low temperature and ensures superior convective and conductive heat transfer to improve cooling of transformer components.

High dielectric strength and low dissipation factor provide superior insulating performance.

Improved resistance to acid and sludge formation due to absence of asphaltic and resinous materials.

Long term rust and corrosion protection.

Effective anti-oxidation inhibitor controls the formation of sledges, deposits and soluble compounds which break down the electrical properties of the oil.

Extended service life.

Self-mixing capacity ensures immediate formation of a homogenous blend at all temperatures.

Transformer Oil Type	IIA	II
Density @ 20C, kg/cu.m	0.825	0.825
Kinematic Viscosity @ 40C, cSt	8.9	8.9
Kinematic Viscosity @ 100C, cSt	2.4	2.4
Flash Point, COC, C	154	154
Pour Point, C	-48	-48
Interfacial Tension @ 25C, mN/m	46	45
Dissipation factor @ 100C, %	<0.11	<0.15
Dielectric Strength (D877), KV	70	70
Polychlorinated biphenyles (PCB) content (IEC 6161)	Nil	Nil