

# CRUISER ADVANCE MAX

Ultra high performance heavy duty diesel engine oil

## Description

**CRUISER ADVANCE MAX** is an ultra high performance diesel engine oil which formulated with special additives to provide outstanding performance for serving modern diesel engine which require superior soot and deposit control, wear protection, and high thermal, and oxidation stability.

## Application

- ▶ Recommended for naturally aspirated and turbocharged diesel engine from Japanese, European, and American manufacturer
- ▶ For both on-highway (high speed/high load) and off-highway application

## Specification Meets

- ▶ API CI-4 PLUS, API CI-4, CH-4, CG-4, CF, API SL/SJ,
- ▶ ACEA E7-04, E2-96
- ▶ CAT ECF-1A, CAT ECF-2
- ▶ Cummins 20071, 20072, 20076, 20077, 20078
- ▶ MAN 3275
- ▶ MB 228.3
- ▶ MTU Type 2
- ▶ Volvo VDS-3
- ▶ DDC 93K214
- ▶ Global DHD-1

## Advantages

- ▶ Excellent thermal, nitration and oxidation resistance
- ▶ Good anti-rust, wear protection and anti-corrosion with a limited ash level
- ▶ Low ash content prevents deposits formation in the combustion chamber

## Typical Data of CRUISER ADVANCE MAX

Characteristics	Unit	CRUISER ADVANCE MAX	Test Method
		15W-40	
Color		L 5.0	ASTM D 1500
Density @ 15 °C	kg/L	0.8676	ASTM D 4052
Kinematic Viscosity @ 40 °C	cSt	108.0	ASTM D 445
Kinematic Viscosity @ 100 °C		15.07	
Viscosity Index		146	ASTM D 2270
Flash Point (COC)	°C	234	ASTM D 92
Pour Point	°C	-24	ASTM D 97
Sulfated Ash Content	%wt	1.37	ASTM D 874
Total Base Number	mg KOH/g	11.8	ASTM D 5293
CCS Viscosity @ 200 °C	cP	5242	ASTM D 2896

\* the typical characteristic mentioned represent mean values