

# SAMIC MAXIMA MERCURY CK-4/SN series

Advanced Performance Multigrade Synthetic Diesel Engine Oil



## Product Description & Application

**SAMIC MAXIMA MERCURY CK-4/SN** series are advanced performance low-SAPS synthetic diesel engine oils formulated with severely refined base stocks and sophisticated technology additives to provide outstanding engine performance in the latest emission designs, including those with after treatment systems with Diesel Particulate Filters (DPF), Selective Catalytic Reduction (SCR) and Diesel Oxidation Catalyst (DOC). It may be used in both new and old diesel engines for On & Off highway applications, due to its backward compatibility down to CJ-4 specifications and may also be used in gasoline engines requiring the API SN specification. They are specifically formulated to deliver excellent wear and engine protection, extended drain capability with excellent TBN retention, outstanding high temperature performance and engine cleanliness.

## Features & Benefits

- Excellent oil consumption control, due to very oil low volatility and less oil top-up during operation.
- Outstanding oxidation & thermal stability reduces sludge deposits and keeps the engine cleaner.
- Excellent engine protection by providing outstanding protection against corrosive & abrasive wear.
- Improved shear stability maintains viscosity in-grade under severe, high temperature service conditions.
- Excellent low temperature pumpability ensures smooth cold starting and improved fuel economy.
- Excellent TBN reserves provide improved acid neutralization and corrosion protection, which helps in extending oil drain interval in both new & old engines using either low (500 ppm) or ultra-low (15 ppm) sulfur diesel fuel.

## Specifications

**SAMIC MAXIMA MERCURY series meets or exceeds following International and Builder specifications:**

- API CK-4, CJ-4, CI-4 Plus, CI-4, CH-4, CF, CF-2, SN, SM, SL
- ACEA E6/E9-16
- IVECO/DAF (ACEA E6-16)
- CUMMINS CES 20086
- Detroit Diesel Power Guard 93K222
- CAT ECF-3
- MB 228.51/228.31
- JASO DH-2
- MAN M 3775
- Duetz DQC IV-18 LA

**SAMIC MAXIMA MERCURY 10W40 CK-4/SN holds OEM Approvals:**

- VOLVO VDS-4.5
- Renault VI RLD-3
- MACK EOS-4.5

## Typical Characteristics

SAMIC MAXIMA MERCURY	Test Method	Units	10W-30	10W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.865	0.870
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.4
Viscosity @ 40 °C	ASTM D 445	cSt	62.6	96
Viscosity Index	ASTM D 2270	-	155	155
Pour Point	ASTM D 97	°C	-39	-39
Flash Point (COC)	ASTM D 92	°C	215	225
Total Base Number	ASTM D 2896	mg KOH/g	9.85	9.85
Sulfated Ash	ASTM D 874	% wt	0.9	0.9
CCS Viscosity	ASTM D 5293	cP	6050 @ -25 °C	6200 @ -25 °C

*The above figures are typical of blends with normal production tolerance and do not constitute a specification.*