



# PRODUCT DATA SHEET

## ICHIRO

### ICHIRO SUZAKU (ICR-3460~3462 & ICR-3470)

#### Product Description:

Ichiro Suzaku ICR-3460~3462 & ICR-3470 (Fully Synthetic) are Advanced Heavy-Duty CK-4 & FA-4 Diesel Engine Oils that are specially designed to meet new Proposed Category 11 (PC-11) specifications for heavy-duty-vehicle. A new category be split into two separate and distinct subcategories: one that preserves historical heavy-duty oil criteria and one that provides additional fuel efficiency and economy benefits for modern diesel engine technology while maintaining durability. Ichiro Suzaku ICR-3460~3462 & ICR-3470 (Fully Synthetic) improve engine performance that are being addressed include oxidation stability, shear stability and aeration.

Ichiro Suzaku ICR-3460~3462 & ICR-3470 (Fully Synthetic) not only meets API credentials, but also is also designed to meet the latest original equipment manufacturers (OEMs) performance specifications in appropriate grades and base stocks - including Caterpillar, Cummins, Detroit Diesel, Mack, Renault, Volvo, Mercedes-Benz, MAN, and Ford. Ichiro Suzaku ICR-3460~3462 & ICR-3470 (Fully Synthetic) also meets the self-certifying requirements of ACEA E9.

#### Applications / Benefits:

- Better protect engines, minimizes oil consumption.
- Satisfying most diesel engine OEM oil demands.
- Synthetic base, inherent thermal-stability and anti-oxidation property.
- Particular suitable for the modern diesel engine.
- Provide better fuel economy, and reduce GHG emissions.

#### Typical Characteristics:

Test Description	Method	10W-30	10W-30	10W-40*	15W-40
SAE Viscosity Grade	SAE J 300				
API	-	FA-4	CK-4	CK-4	CK-4/SN
Specific Gravity @ 15 °C	ASTM D 4052	0.859	0.860	0.860	0.861
Flash Point, °C	ASTM D 92	220	224	226	230
Pour Point , °C	ASTM D 97	-30	-30	-30	-27
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	63.2	77.3	95.8	99.8
cSt @ 100°C	ASTM D 445	9.93	11.7	14.5	14.5
Viscosity Index	ASTM D 2270	142	145	157	150
TBN, mgKOH/g	ASTM D 2896	9.8	9.8	9.8	9.8
Color	ASTM D 1500	≤ 4.0	≤ 4.0	≤ 4.0	≤ 4.0
HTHS, cP	ASTM D 5481	3.0	3.6	3.7	4.0

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[www.ichiro-oil.com](http://www.ichiro-oil.com)

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### Specifications, Approvals & Recommendations:

- API CK-4/SN in SAE 15W40
- API CK-4 & FA-4 in SAE 10W30
- API CJ-4, CI-4+, CI-4, CH-4
- ACEA E9-12, E7-12
- Caterpillar ECF-3
- Cummins 20081, 20086, 20087
- Daimler MB 228.31
- Deutz DQC III-10 LA
- DDC 93K222, DDC 93K223, DDC 93K218
- Ford WSS-W2C171-E, WSS-W2C171-F
- Mack EOS-4.5, EO-O Premium Plus
- MAN M3575, M3275
- MTU Category 2.1
- Renault RLD-4, RLD-3
- Volvo VDS-4.5, VDS-4

\* Read across SAE viscosity grade

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