

TECHNICAL DATA SHEET

KATMOTO HD MAX CK-4 15W-40

Heavy-Duty Diesel Engine Oil for Modern Low-Emission Engines

Product Name	KATMOTO HD MAX CK-4	SAE Grade	15W-40
Product Type	Synthetic-Technology Diesel Engine Oil	Performance Level	API CK-4/CJ-4 · ACEA E9-type
Series Positioning	Commercial / Heavy-Duty Diesel	Application	Modern On/Off-Road Diesel (DPF/SCR/EGR)

Product Description

KATMOTO HD MAX CK-4 15W-40 is a high-performance heavy-duty diesel engine oil meeting API CK-4 for modern low-emission on- and off-highway diesel engines fitted with EGR, DPF and SCR after-treatment. Its robust additive system delivers outstanding soot dispersancy, wear and corrosion protection, oxidation and thermal stability and high-temperature deposit control, supporting long drain intervals while remaining backward compatible with CJ-4/CI-4 applications.

Key Performance Features

Outstanding soot control advanced dispersancy controls soot-related thickening and wear in EGR diesels.	After-treatment compatible low-SAPS (ash ≤ 1.0%) protects DPF and SCR systems in modern diesels.
Wear & corrosion protection strong anti-wear and acid-neutralising performance for long engine life.	Oxidation & thermal stability resists oil thickening and deposits under high-load, high-temperature duty.
Extended drain capability stable performance supports OEM-recommended long drain intervals.	Backward compatible suitable for CJ-4 and CI-4 diesel applications.

Applications & Performance Level

Applications	Modern on- and off-highway heavy-duty diesel engines (trucks, buses, construction and agricultural equipment) fitted with EGR, DPF and SCR after-treatment where SAE 15W-40 API CK-4 oil is specified.
Specification	■ API CK-4 / CJ-4 / CI-4 — current heavy-duty diesel category and backward compatibility. ■ ACEA E9-type — mid-SAPS heavy-duty performance for after-treatment-equipped diesels. ■ Cummins CES 20086 · Detroit DFS 93K222 — suitable for Cummins and Detroit modern diesel specifications. ■ Volvo VDS-4.5 · Mack EOS-4.5 — suitable for Volvo and Mack heavy-duty diesel applications. ■ Cat ECF-3 · MB 228.31 · MAN M3575 — suitable for Caterpillar, Mercedes-Benz and MAN diesel specifications.
OEM Suitability	Modern Cummins, Detroit, Volvo, Mack, Caterpillar, Mercedes-Benz, MAN, DAF and Paccar diesel engines specifying SAE 15W-40 API CK-4. Use only where SAE 15W-40 CK-4 is specified by the manufacturer.
Important Notice	Use only where the engine manufacturer specifies SAE 15W-40 and a matching performance level. "Suitable for" does not mean official approval unless an approval license or certificate is separately issued.

Typical Technical Data - Heavy-Duty Formulation Target

Property	Test Method	Target Typical Value
Appearance / Color	Visual	Clear amber liquid

Note: These are heavy-duty formulation target values benchmarked to major-brand 15W-40 API CK-4 heavy-duty diesel engine oils at a representative quality level. Final production values should be confirmed by the official KATMOTO TDS and laboratory test report.