



Kixx HDX

The Perfect Fit for Your Trucks & Buses

Kixx
All Ways with You

Kixx HDX

Kixx HDX heavy-duty diesel engine oil boasts superior protection and performance in line with the latest API and ACEA specifications. Specially designed for commercial diesel vehicles, Kixx HDX offers a wide range of benefits for even the toughest hauls.

BENEFIT from Kixx HDX



Reducing
Maintenance Costs



Protecting the Engine
and Extending Engine Life



Supporting
Operational Stability

FIELD TEST

Proven Performance in Actual Driving Conditions

Diesel engines on commercial trucks face tough conditions on the road – some that can bring operations to a halt. Overloading, challenging road conditions, and harsh weather can all take a heavy toll. To help keep engines running at their best for longer, they need high-performance oils to protect and counteract the wear. In a 140,000 km, Kixx HDX was proven to provide stable performance and minimize damage to engine parts in use on the latest commercial trucks.

• Vehicle Information

FAW and SINOTRUK commercial trucks
(Euro 5 compliant diesel engine oil fitted)

• Distance and Section

140,000 km
(Hangzhou to Dongguan and
Hangzhou to Xi'an, China)

• Testing Method

Applying Kixx HDX in vehicles and
taking samples every 10,000 km

Field Tested Vehicle

Manufacturer	FAW
Engine	CA6DM2-46E51
Total Displacement	11.05L
Emission Standard	China V
Maximum Output	460ps



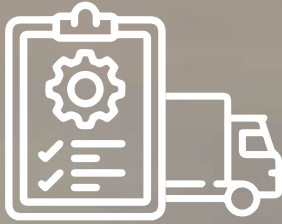
Manufacturer	SINOTRUK
Engine	MC13.54-50
Total Displacement	12.419L
Emission Standard	China V
Maximum Output	540ps



Kixx HDX: LONG-ODI DIESEL ENGINE OIL

Superior Long-ODI* performance, test and proven through 140,000 km of stability in the field, Kixx's advanced technology in HDX provides reliable vehicle performance commercial fleets can depend on.

*ODI: Oil Drain Interval



140,000 KMs

Of stable performance

**Excellent
Wear Resistance**

**Outstanding
Sludge Control**

**High
Oxidation Stability**

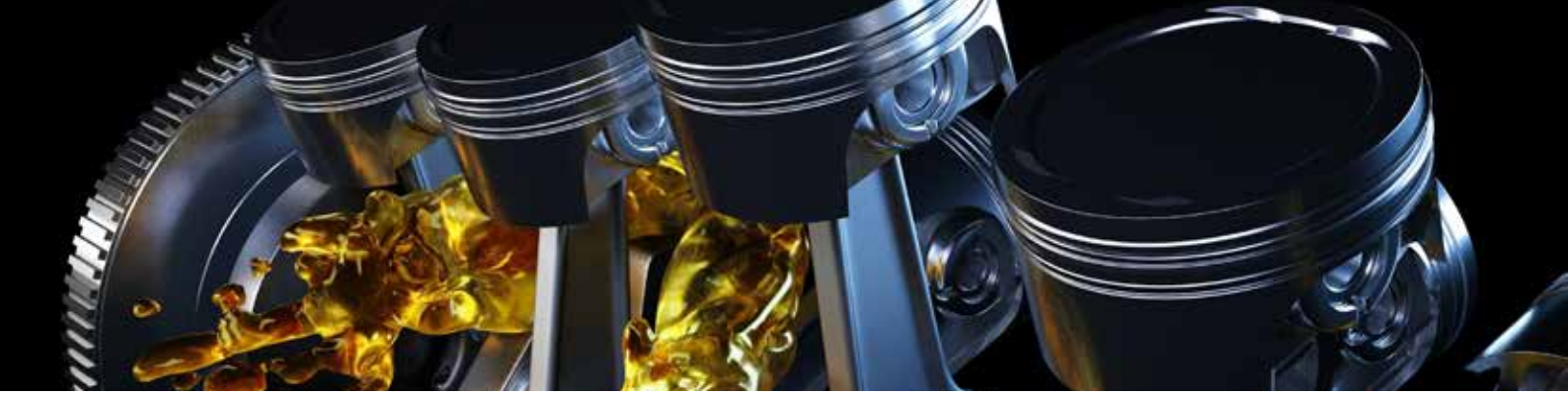
**Exceptional
Viscosity Stability**

Kixx HDX provides the dependability on the road through excellent driving performance with engine wear resistance, sludge control, oxidation stability and viscosity stability, all backed by a 140,000 km field testing. Get reliability that lasts and maximize oil drain interval with Kixx HDX.

※ Oil drain interval varies depending on operating conditions (general ~ severe) and proper replenishment methods of engine oil usage must be followed.

Severe operating conditions: excessive idle / excessive inflow of sand, dust in the engine / rough road (unpaved, snowy, uphill) driving / high-temperature, cold-area / frequent high-speed driving / frequent stops and starts repeatedly.

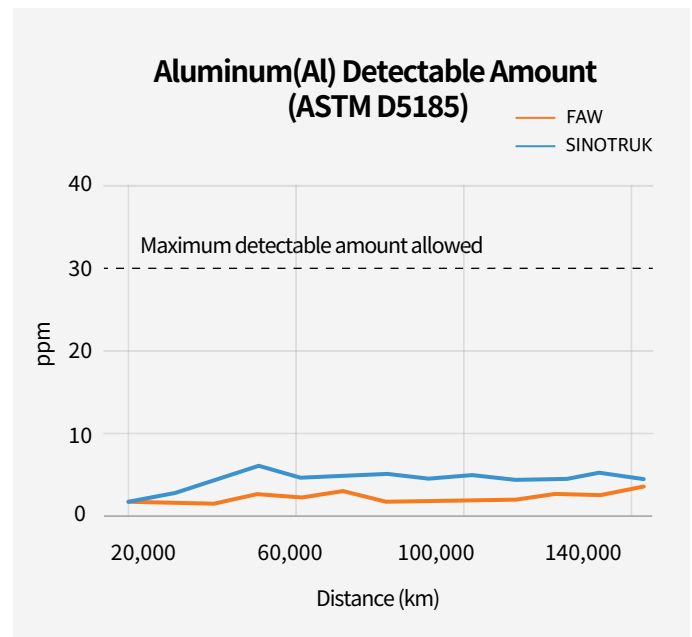
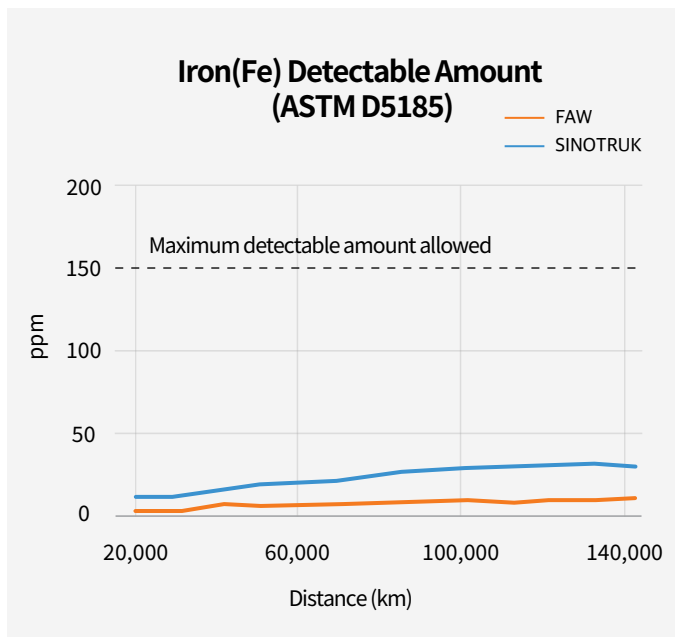




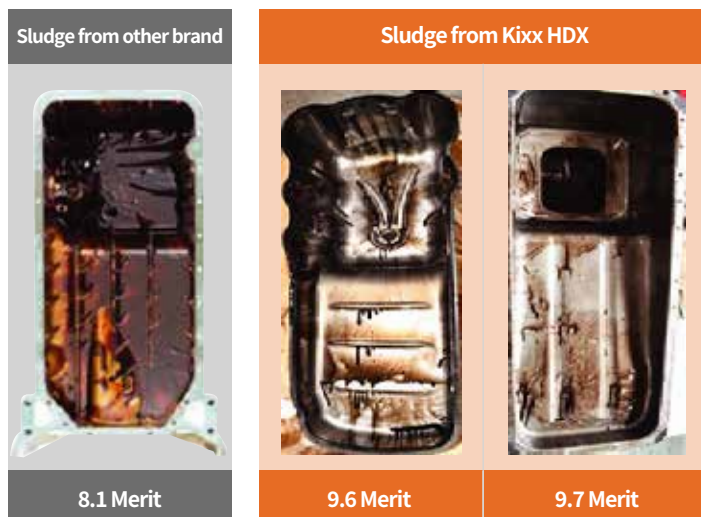
Excellent Wear Resistance

In severe operating conditions, friction inside the engine can cause wear that introduces iron and aluminum shavings into engine oil, ultimately causing engine performance issues.

After a 140,000 km drive test with Kixx HDX, the detected quantity of metal components in the engine oil was found to be significantly lower than that of the controlling level, displaying Kixx HDX's excellent wear resistance.



Outstanding Sludge Control



Sludge in the oil pan (engine oil tank) showed that commercial trucks using Kixx HDX had a sludge rating 1.6 Merit better than when using competing engine oils, speaking to Kixx HDX excellent sludge control.



High Oxidation Stability

Maintaining good TAN* stability is critical in engine performance because engine oil oxidation causes corrosion and wear of engine parts. Relatedly, maintaining a high TBN* is essential to minimize oxidation levels. Kixx HDX provides high oxidation stability with minimal variation in TAN and TBN, even in long distance driving conditions.

*Total Acid Number (TAN): Measured value of acidic organic components of lubricating oil due to oxidation

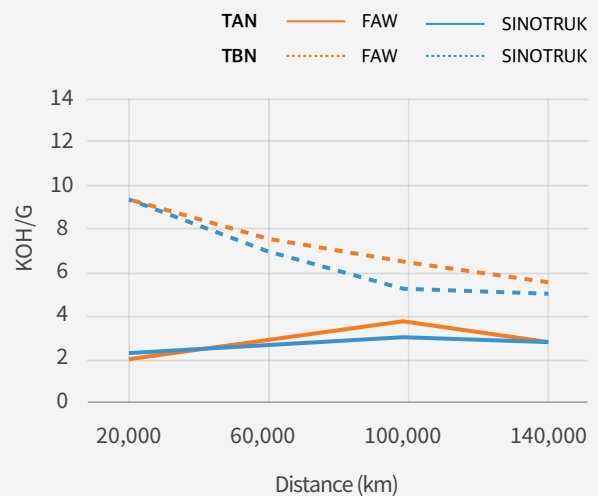
*Total Base Number (TBN): Amount of KOH required to neutralize base components due to oxidation

Exceptional Viscosity Stability

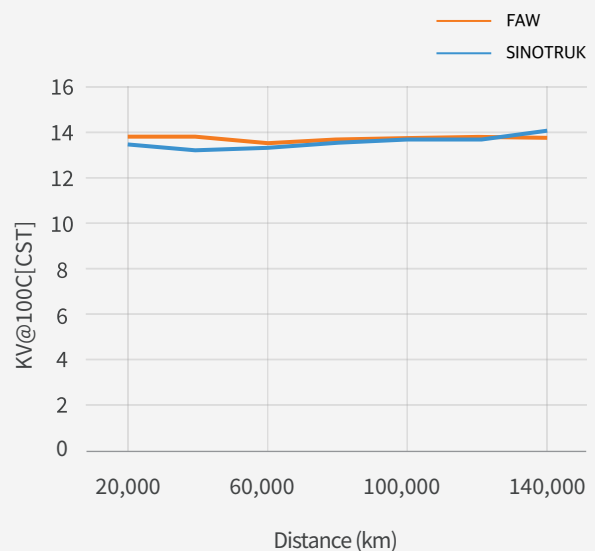
Throughout a 140,000 km field test, Kixx HDX provided extreme stability in viscosity consistency. Kixx HDX's exceptional viscosity stability allows engines to run smoothly for a longer.

*KV: Kinematic Viscosity

Oxidation Stability Test (TAN/TBN Test)



Viscosity Change Test (KV@100)





Kixx: The Most Trusted Lubricants Brand in Korea

Recognized by First Brand Awards as Korea's No.1 lubricants brand, Kixx's lubricant products are trusted by consumers and partners all over the world. Leading the Korean lubricants market and backed by 50 years of extensive research and innovation, Kixx is recognized for its superior products made with premium base oils produced through GS Caltex's cutting-edge development methods.



Application

- Commercial trucks, buses and construction equipment equipped with DPF, SCR, and EGR Developed to meet EURO V & VI emissions standards
- Formulated for low emission vehicles and equipment using Ultra Low Sulfur Diesel (ULSD) standards for performance grades including:

Performance Standard

- API CK-4, ACEA E9-16
- Cummins CES 20086, Volvo VDS 4.5. Mack EOS-4.5. Renault VI RLD-3 Approved
- MB 228.31, MAN M 3775, MTU Type 2.1, Cat ECF-3, Detroit DDC 93K222 Recommended

Key Properties

SAE Grade	15W-40
Kinematic Viscosity(mm ² /s) @40°C	111.6
Kinematic Viscosity(mm ² /s) @100°C	14.6
Viscosity Index	134
Pour Point(°C)	-36
Flash Point(°C)	233