

Besides diesel engine oils, Komatsu also provides a variety of oils and greases to keep construction machinery running smoothly.

Komatsu Genuine Oils

Diesel Engine oil LA (Low Ash) series

This oil is low ash type for diesel engines equipped Komatsu Diesel Particulate Filter (KDPF). LA series is developed and tested to provide superior protection and life for heavy-duty construction engines, in addition to allow longer interval between KDPF cleanings.

Parts No.	Viscosity	Packaging
SYEO-1540-LA	SAE15W40	4ℓ・20ℓ・200ℓ



Axle oil

This oil is specifically designed for the axle unit of a wheel loader or articulated dump.

Parts No.	Viscosity	Packaging
SYEO-AXO80	SAE 80W	20ℓ・200ℓ



Powertrain oil TO series



This is a dedicated Powertrain oil with the properties required in the Powertrain of construction machinery under severe operating conditions (such as antiwear, heat and seizure resistance, and friction retention).

Parts No.	Viscosity	Packaging
SYEO-TO30	SAE 30	4ℓ・20ℓ・200ℓ
SYEO-TO10	SAE 10W	4ℓ・20ℓ・200ℓ



Hydraulic oil series

HO46-HM(Antiwear Hydraulic oil)

Having excellent antiwear performance and dispersibility, this oil continues to function even under a high pressure of 42 MPa. It operates at a wide range of temperature and is stable against oxidation, ensuring longer life of machines.

Parts No.	Viscosity	Packaging
SYEO-46	ISO VG46	20ℓ・200ℓ



HO56-HE(KOMHYDRO HE)

This is a multi-grade hydraulic oil that continues to flow even at low temperature (-40°C) and forms an oil film even at a high temperature (+50°C). HO56 realize higher efficiency of hydraulic pump system at high temperature range. In addition, this oil reduces natural drift and enhance low temperature characteristic.

Parts No.	Viscosity	Packaging
SYHO-56	ISO VG56	20ℓ・200ℓ



HO-MVK(KOMHYDRO MV)

This is a multi-grade oil that continues to flow even at a low temperature (-30°C) and forms an oil film even at a high temperature (+40°C). It has the world's leading high-pressure lubrication properties proven in load resistance tests on construction machinery hydraulic systems in which pressures have been increasing.

Parts No.	Packaging
SYHO-MVK	20ℓ・200ℓ



Gear oil

This lubricating oil demonstrates superior performance for construction machinery gears that are subject to harsh impact load and heavy loading.

Parts No.	Viscosity	Packaging
SYGO-90CD	SAE 90	20ℓ・200ℓ
SYZZ-80W90	SAE80W90	200ℓ
SYZZ-85W140	SAE85W140	200ℓ



● The specifications are subject to change without prior notice for improvement purposes. The photos included in this brochure may differ from the products actually sold. For details on precautions for using this product, see the operation & maintenance manual.

● PLEASE CONTACT:

KOMATSU GENUINE DIESEL ENGINE OIL

DH SERIES

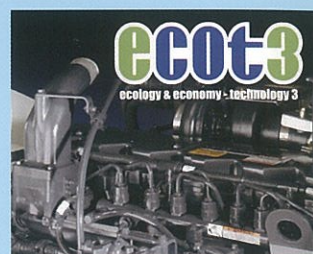


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The Best Match for the New-generation Engine "ecot3" Heavy-duty Diesel Engine Oil KOMATSU DH SERIES

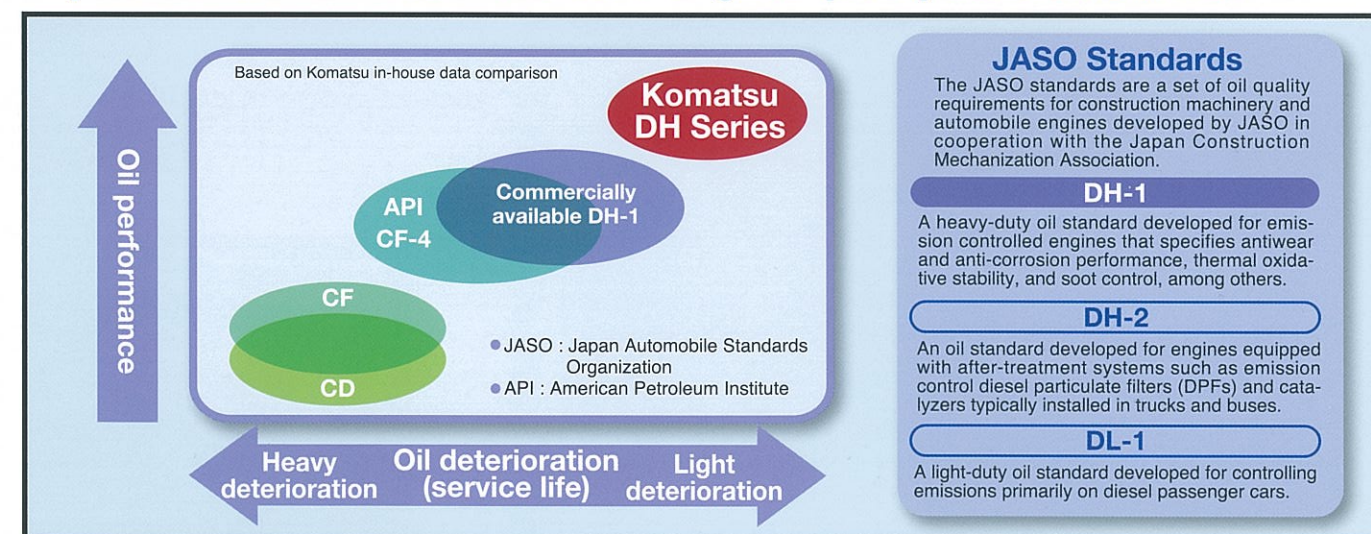
Engine emission controls for construction machinery have recently been tightened. Komatsu, as a diesel engine manufacturer producing pioneering eco-friendly engines, maximizes the emission performance and extends the component life of these engines.



The ecot3 is the latest engine that satisfies the construction machinery emission control regulations due to come into effect in 2006.



Komatsu DH Series is a high-quality oil that far exceeds the JASO standard requirements and meets Komatsu's original quality standards (KES).



	Type	Parts No.	Viscosity	Packaging	Features
Multi-grade oil	EO15W40-DH	SYEO-1540DH	SAE 15W-40	4L · 20L · 200L	All-season oils for use at ambient temperatures between -15°C and +50°C
	EO10W30-DH	SYEO-1030DH	SAE 10W-30	20L · 200L	Oils suitable for use in cold districts in winter at ambient temperatures between -20°C and +40°C
Single-grade oil	EO30-DH	SYEO-30DH	SAE30	4L · 20L · 200L	Oils for use at ambient temperatures between 0°C and +40°C

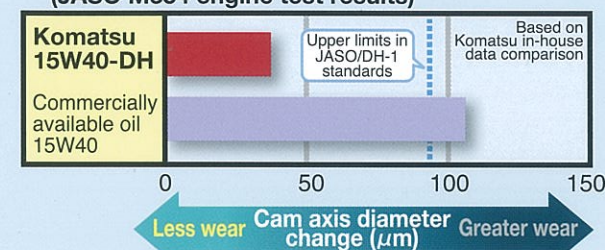
Features of Komatsu's "DH Series" of Genuine Diesel Engine Oils

The Komatsu DH Series substantially extends engine

1 Antiwear Performance

Provides superior antiwear performance, suppressing wear in major components such as cams, tappets and piston rings.

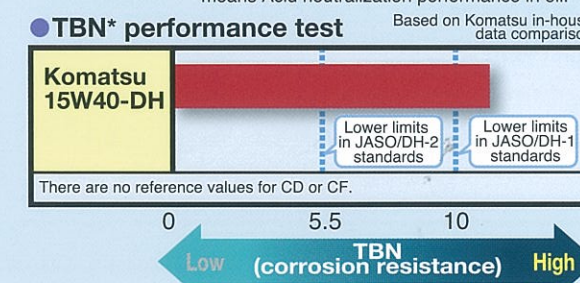
- Wear tests on engine valve trains (JASO M354 engine test results)



2 Anti-Corrosion Performance

Prevent corrosion on engine parts by sulfur oxide (SOx).

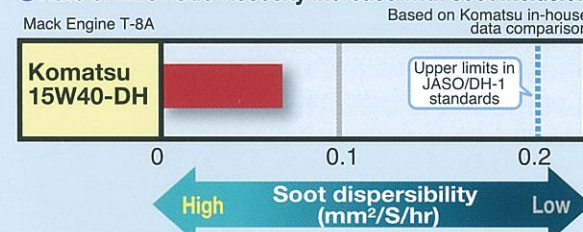
* TBN : An index of the Total Base Number of oils, means Acid neutralization performance in oil.



3 High Dispersancy

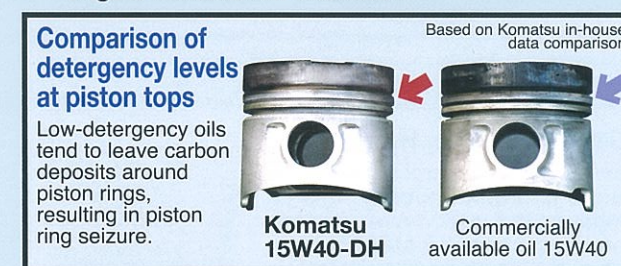
Emission controlled engines inevitably contain soot in the oil. Therefore, the engines must be able to uniformly disperse the soot in the oil. The DH Series reduces the generation of insoluble fractions by soot and suppresses abrasion by carbon.

- Rate of kinematic viscosity increase with soot inclusion



4 Superior Detergency

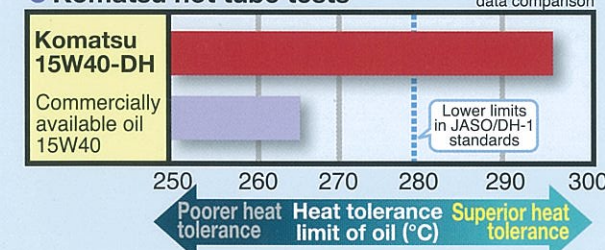
Carbon particles deposited around the engine combustion chamber may cause the piston ring or valve to seize. With its superior detergency, the oil reduces the carbon particles and maintains the detergency of the area around the engine combustion chamber.



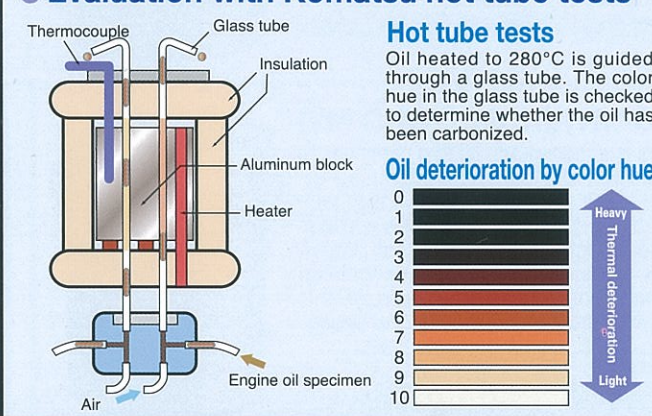
5 High Thermal Stability

Oils used in construction machinery with high load on the engines require thermal stability. The DH Series has passed rigorous thermal stability tests developed by Komatsu; the oils help prevent thermal deterioration and maintain their lubrication property for an extended period.

- Komatsu hot tube tests



Evaluation with Komatsu hot tube tests



Comparative test of engine performance between different DH oils

The Komatsu DH Series has passed Komatsu's rigorous performance tests in addition to those of the JASO standards. This high-performance diesel engine oil delivers superior performance in all construction machinery.

