

In addition to hydraulic oil, Komatsu offers different types of oils to support optimized operation of construction machinery.

Komatsu Genuine Oil

Diesel Engine Oil

LA (Low Ash) Series

This oil is low ash type for diesel engines equipped Komatsu Diesel Particulate Filter (KDPF). LA series are 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-1540LA | SAE 15W40 | 4ℓ・20ℓ・200ℓ |
| SYEO 1030LA | SAE 10W30 | 20ℓ・200ℓ |

DH Series

Diesel Engine oil for emission controlled engines. Provides good resistance to wear and heat, and cleanliness meeting Komatsu's stringent standards.



| Parts No. | Viscosity | Packaging |
|-------------|-----------|-------------|
| SYEO-1540DH | SAE 15W40 | 4ℓ・20ℓ・200ℓ |
| SYEO-1030DH | SAE 10W30 | 20ℓ・200ℓ |
| SYEO-30DH | SAE 30 | 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-AX080 | SAE 80W | 20ℓ・200ℓ |

Powertrain oil 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 |

Bio-hydraulic oil

Features superior heat resistance, and wear resistance. Even if it should spill out, it is not toxic and features such superior biodegradability as being decomposed naturally by underground bacteria in about a month (biodegradability ratio: 83.6% <OECD301C method>). Earth-friendly hydraulic oil.



| Parts No. | Viscosity | Packaging |
|-----------|-----------|-----------|
| SYEO-BO46 | ISO VG46 | 20ℓ・200ℓ |

Gear oil Series

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 |
| SYGO-80W90 | SAE 80W90 | 200ℓ |
| SYGO-85W140 | SAE 85W140 | 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.

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• PLEASE CONTACT :



Hydraulic Oil

Komatsu Genuine Hydraulic Oil

**KOMATSU
GENUINE
PARTS**

High-performance hydraulic oil for heavy loads

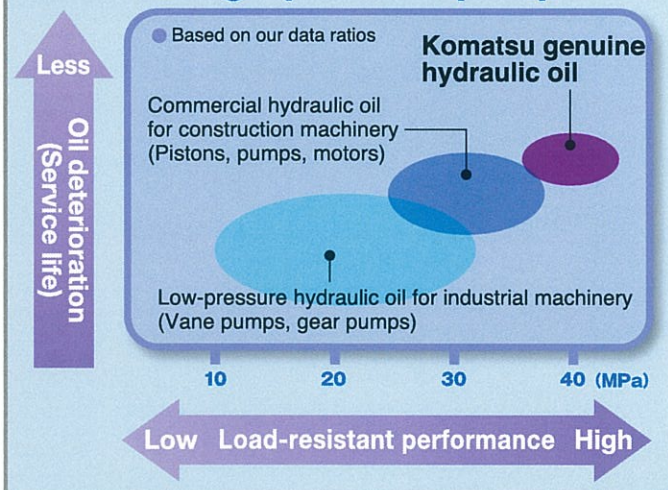


High-performance hydraulic oil for heavy loads developed for mining & construction machinery hydraulic equipment that bears increasing pressures

Komatsu genuine hydraulic oil maximizes the performance of mining & construction machinery hydraulic equipment, reduces galling and wear of high-pressure piston pumps and motors, and increases the service life of equipment.



Komatsu genuine hydraulic oil is customized to clear the original Komatsu high-pressure pump tests.



*General-purpose hydraulic oil is made for middle- and low-pressure industrial machinery.

Features

- High load resistance, forms strong oil film, and prevents galling and early-stage wear of hydraulic equipment.
- Abrasion proof performance, reduce wear hydraulic equipment, and prolong life.
- High oxidation stability, minimize deterioration of oil in machine operation and enables to extend oil change interval.
- Clears swelling tests of various seals and rubber materials used in hydraulic equipment and prevent oil leakage due to the swelling of seals and rubber materials.

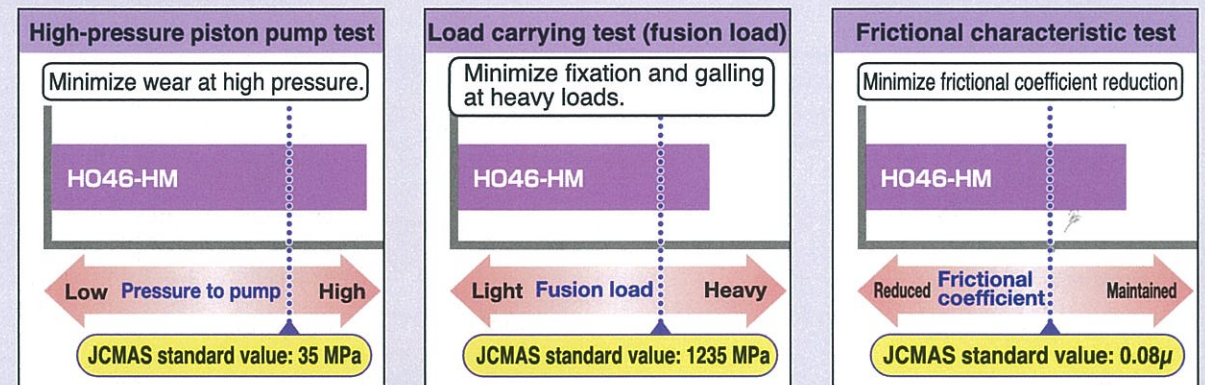
| Type | Product Name | Parts No. | Viscosity | Packing | Application (***)Applicable temperature) |
|------------|------------------------------|-----------|---------------------|--------------|--|
| HO46-HM | Abrasion proof hydraulic oil | SYEO-46 | ISO VG46 | 20 ℓ · 200 ℓ | Suitable in moderate and warm climates regions (-20°C ~ +50°C) |
| HO-MVK | KOMHYDRO MV | SYHO-MVK | ISO VG32W (SAE5W10) | 20 ℓ · 200 ℓ | Suitable in moderate and cold climates regions (-30°C ~ +50°C) |
| *HO56-HE | KOMHYDRO HE | SYHO-56 | ISO VG56 (SAE5W30) | 20 ℓ · 200 ℓ | Suitable in moderate and warm climates regions (-40°C ~ +50°C). Apply for middle and large size hydraulic excavators and hybrid excavators |
| **HO68-HM | Abrasion proof hydraulic oil | — | ISO VG68 | — | Suitable in moderate climates regions (0°C ~ +40°C). Apply for super large size excavators |
| **HO100-HM | Abrasion proof hydraulic oil | — | ISO VG100 | — | Suitable in moderate and warm climates regions (0°C ~ +50°C). Apply for super large size excavators |

Remarks *HO56-HE are high efficiency of hydraulic equipment.
 **HO68-HM & HO100-HM are supplying in some regions where located large size of mining excavators. (PC3000 and up)
 ***Applicable temperature is different with machine model. Refer to detail on each Operation & Maintenance manual

Comparison of Komatsu Genuine Hydraulic Oil and JCMAS Standard

Comparison of Komatsu genuine H046-HM and JCMAS HK for normal temperature

(Based on our data)



* JCMAS HK is the standard of hydraulic oil for construction machinery established by the Japan Construction Machinery and Construction Association.
 * HO-MVK and HO56-HE also have equivalent values to the above.

Features of Komatsu Genuine Hydraulic Oil

Abrasion proof Hydraulic Oil HO46-HM



General-purpose oil featuring high wear resistance. It is applicable at as high pressure as 42 MPa, has superior oxidation stability, and prolongs service life of machinery.

KOMHYDRO HE HO56-HE

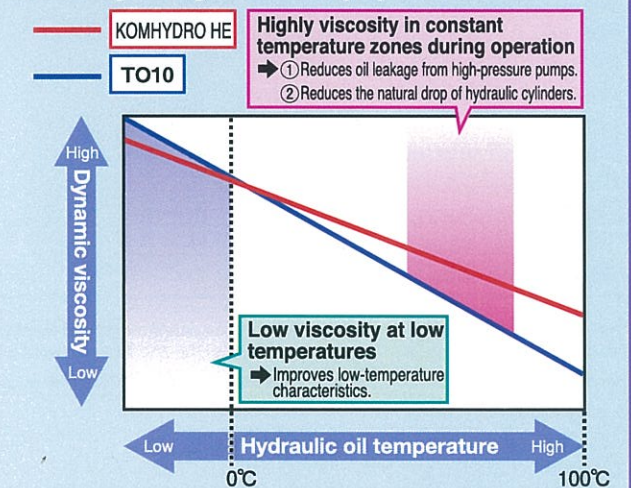


Hydraulic oil of in the new concept. It is fluid at -40°C and reduces the loss of flow resistance in piping. The multi-grade oil features high viscosity at high temperature to reduce inner leakage from high-pressure pumps and hydraulic valves. The oil maintains the high efficiency of hydraulic equipment.

KOMHYDRO MV HO-MVK



Multi-grade oil developed for cold weather application. The oil is fluid at low temperatures (-30°C) and reduces the loss of flow resistance in hydraulic equipment and piping. The all season oil applicable even at normal-temperatures.



KOMHYDRO HE is recommended for hybrid hydraulic excavators.