KOMATSU GENUINE HYDRAULIC OIL

ANTIWEAR TYPE

PEPA1059

Komatsu Oils and Lubricants meet the challenges of modern engine design. In the recent years, construction and mining equipment engine manufacturers are required to reduce diesel emissions to meet strict Tier 3 stage IIIA emission levels imposed by environmental authorities worldwide. This has been accomplished by changes in engine design that include the use of cooled Exhaust Gas Recirculation (EGR) and sophisticated engine management systems. With the EGR process, exhaust gases are re-circulated back into the combustion chambers to be burned a second time, a process which puts increased demands on the engine oil.

Accordingly, to extend the life of your equipment, Komatsu has developed a whole new range of quality oils and lubricants to handle the increased demands of modern high technology low emission engines. These new generation oils and lubricants have been developed with unique and unrivalled technology. Using them with Komatsu engines is essential to increase durability and achieve top performance.

These Komatsu Genuine Oils are marketed and distributed by L&T Construction & Mining Machinery through its Dealer outlets nationwide.
**High–Performance Hydraulic Oil**

Komatsu Genuine Hydraulic Oil maximizes the performance of Hydraulic Equipment of construction machinery operated even under loads higher than usual, thus extending hydraulic equipment life.

- High-load carrying capacity helps maintain the strong oil form of construction machinery, maximizing the scuffing resistance of high pressure hydraulic equipments
- Excellent wear-resistance extends the life of Hydraulic Equipment
- High oxidation stability
- Superior sealing compatibility

Oil specification applicable to hydraulic equipment of any type of construction machinery

High performance hydraulic oils that have passed Komatsu’s unique stringent quality requirements

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### Specifications

<table>
<thead>
<tr>
<th>TYPE</th>
<th>PRODUCT CODE</th>
<th>VISCOSITY (ISO)</th>
<th>PACKING</th>
<th>FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>SINGLE GRADE OIL</td>
<td>HO46-HM</td>
<td>K-HO46-HM</td>
<td>20L</td>
<td>For use at ambient temperature ranging from -20° to +50°C. High performance oil for construction machinery Hydraulic Equipment operated under even high loads.</td>
</tr>
<tr>
<td>SINGLE GRADE OIL</td>
<td>HO46-HM</td>
<td>SYZZ-HO46-CN</td>
<td>209L</td>
<td>For use at ambient temperature ranging from -20° to +50°C. High performance oil for construction machinery Hydraulic equipment operated under even higher loads.</td>
</tr>
</tbody>
</table>
Features of Komatsu Genuine Hydraulic Oils

1. **Antiwear Performance**
   Excellent wear resistance due to the formation of a strong oil film even under heavy loads. This reduces the wear in pumps, motors, and control valves, maximizing the performance of hydraulic equipment.

2. **Superior Oxidation Stability**
   Komatsu genuine hydraulic oil has superior oxidation stability even at high temperatures, resulting in less deterioration and carbonizations.

3. **Long-time Friction Retention**
   Hydraulic motors of construction machinery mounting wet-type disc brakes, requiring stable friction retention over a long time. Komatsu genuine oil consisting of high-quality base oil blended with excellent additives prevents the decrease in friction factor over the long term.

4. **High Load-Carrying Capacity**
   Passed the load-carrying performance test using Komatsu’s unique high-pressure piston pump. Maintains a strong oil film that protects Hydraulic equipment from scuffing, extending the life of Hydraulic Equipment.
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