TEN00018-05

Operation & Maintenance Manual

BULLDOZER

D475A-5

SERIAL NUMBERS 20001 and up

WARNING

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

NOTICE

Komatsu has Operation & Maintenance Manuals written in some other languages. If a foreign language manual is necessary, contact your local distributor for availability.

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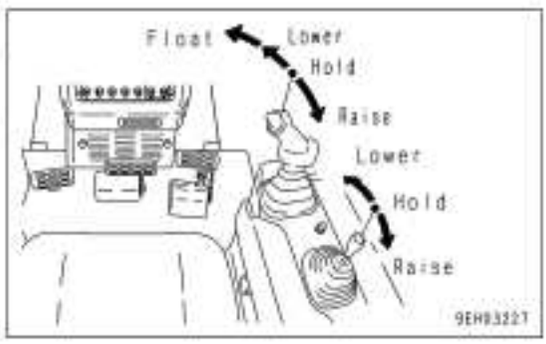
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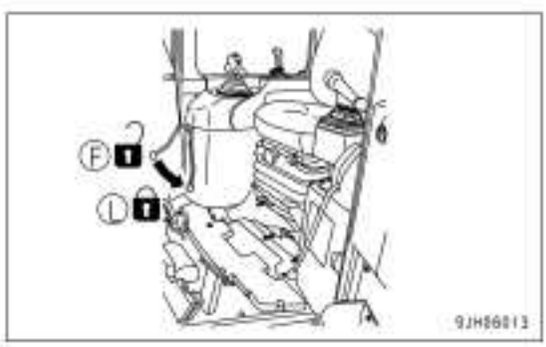
3. Operate parking lever (4) to lock the brakes.



4. Operate blade control lever (5) and ripper control lever (6) to the LOWER position, and lower the blade and ripper to the ground.
5. Set blade control lever (5) and ripper control lever (6) to the HOLD position.



6. Set work equipment lock lever (7) for blade control lever (5) and ripper control lever (6) to the FREE position.



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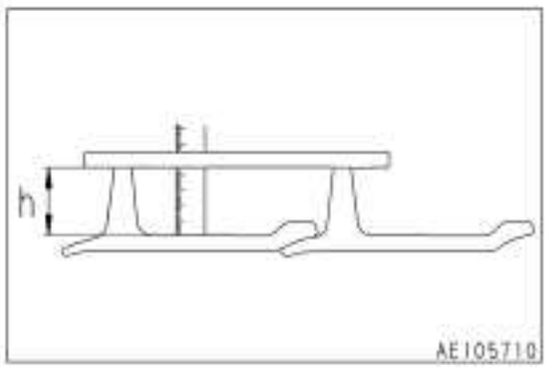
INSPECTION AND REPAIR

Frequent inspection and prompt repair will reduce repair costs.
The following items for inspection will serve as a guide to maintenance service of each undercarriage part. Perform periodical inspection and contact the Komatsu distributor in your area when machine has approached repairable limits and reversing limits.

MEASURING HEIGHT OF GROUSER

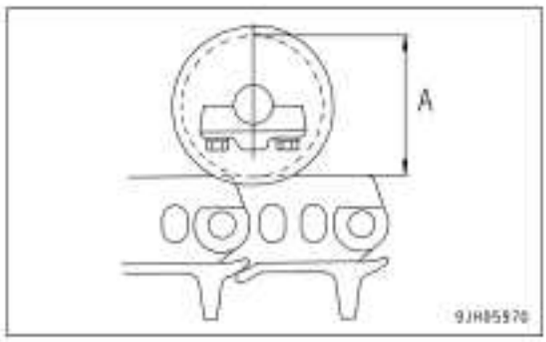
- After taking up slack in track shoes, measure height at center of shoe as shown below.

Standard height (h): 105 mm (4.1 in)
Repair limit (h): 35 mm (1.4 in)



MEASURING OUTSIDE DIAMETER OF TRACK ROLLER

1. Measure the outside diameter of the tread (dimension A).
   (1) Double flange roller
   Standard dimension (A): 300 mm (11.8 in)
   Repair limit (A): 246 mm (9.7 in)
   (2) Single flange roller
   Standard dimension (A): 300 mm (11.8 in)
   Repair limit (A): 230 mm (9.1 in)



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GREASE

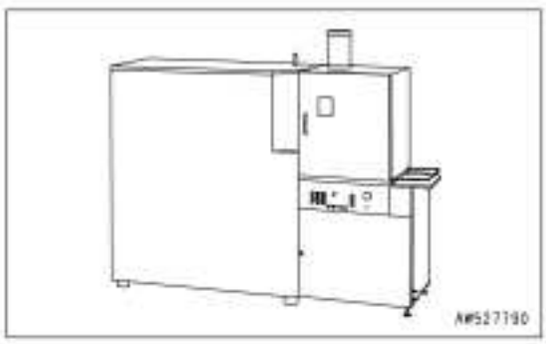
- Grease is used to prevent seizure and noises at the joints.
- This construction equipment is used under heavy-duty conditions. Always use the recommended grease and follow the change intervals and recommended ambient temperatures given in this Operation and Maintenance Manual.
- It is recommended to shorten the lubrication interval when the machine is operated under hard working conditions or in a dusty or wet jobsite.
- Grease fittings not listed in the inspection and maintenance section are grease fittings that are used at the time of overhaul, so there is no need to grease these points.
  When using the machine after it has been in storage for a long time, carry out greasing if there is any stiffness or screeching.
- Always wipe off all of the old grease that is pushed out when greasing.
  Be particularly careful to wipe off the old grease in places where sand or dirt sticking in the grease would cause wear of the rotating parts.

CARRYING OUT KOWA (Komatsu Oil Wear Analysis)

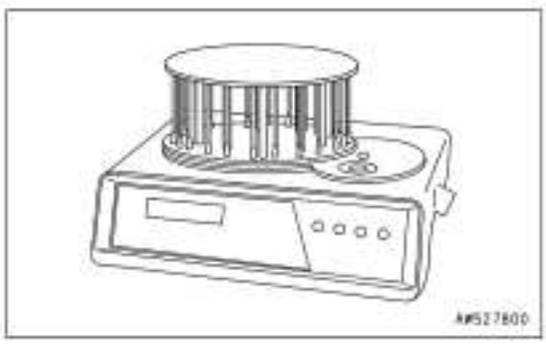
KOWA is a maintenance service that makes it possible to prevent machine failures and downtime. With KOWA, the oil is periodically sampled and analyzed. This enables early detection of wear of the machine drive parts and other problems.
We strongly recommend you to use this service. The oil analysis is carried out at actual cost, so the cost is low, and the results of the analysis are reported together with recommendations which will reduce repair costs and machine downtime.

KOWA ANALYSIS ITEMS

- Measurement of density of metal wear particles
  This uses an ICP (Inductively Coupled Plasma) analyzer to measure the density of iron, copper, and other metal wear particles in the oil.



- Measurement of quantity of particles
  This uses a PQI (Particle Quantifier Index) measurer to measure the quantity of iron particles of 5µm or more, enabling early detection of failures.



- Others
  Measurements are made of items such as the ratio of water in the oil, density of the antifreeze coolant, ratio of fuel in the oil, and dynamic viscosity, enabling a highly precise diagnosis of the machine's health.

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