TEN00041-05

Operation & Maintenance Manual

DUMP TRUCK

HD325-6
HD405-6

SERIAL NUMBERS HD325-6370 and up
HD405-2178

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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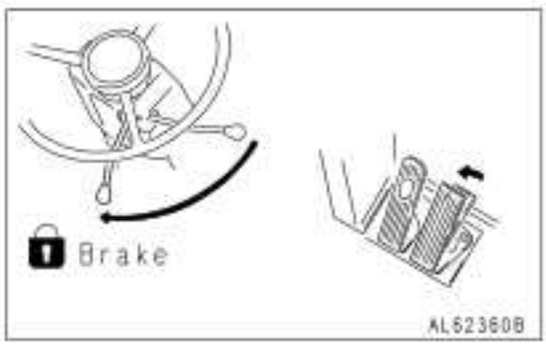
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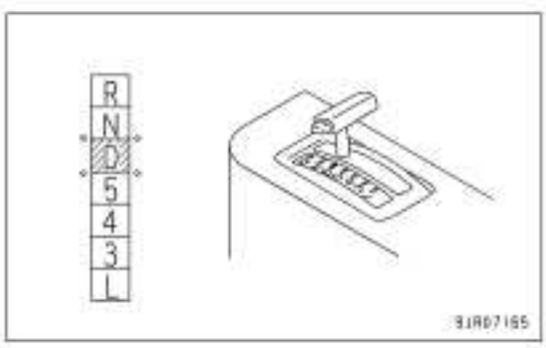
1. Before starting to travel downhill, release accelerator pedal (1) and operate retarder control lever (2) to slow the machine down.



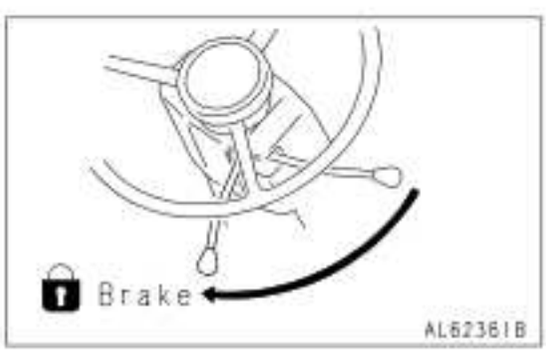


2. Leave the gear shift lever in position D.
When the machine reduces speed, the transmission will automatically shift down to the appropriate gear range.

If the condition of the road makes it necessary to travel downhill in 1st, set the gear shift lever to any position except D (5, 4, 3, L).



3. When traveling downhill, operate retarder control lever (2), run the engine at a speed of 1800 to 2200 rpm, and travel so that the retarder brake oil temperature gauge is in the green range.



For machines equipped with an exhaust brake, using the exhaust brake can provide more secure braking force for increased safety, and will also improve the durability of the brake.
For details of handling the exhaust brake, see "EXHAUST BRAKE SWITCH (PAGE 3-26)".

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METHOD OF CALCULATING WORK T.Km.P.H.

Work T.Km.P.H. = average load per tire x average travel speed for one day
Average travel speed = round trip distance x number of round trips per day/total operating hours per day
Average load = (load when empty + load when loaded) /2

The total operating hours per day includes the stopping time and rest periods.

* The T.Km.P.H. in the table may differ slightly according to the tire maker, so concerning operations which require travel near the travel speed given in the table, consult your Komatsu distributor.

PRECAUTIONS FOR LONG DISTANCE TRAVEL

If the machine travels continuously at high speed for a long distance, there will be a marked increase in the generation of heat in the tire. This may cause premature damage to the tire, so be careful of the following points.

- Travel only when empty.
- Check the tire inflation pressure before starting for the day when the tires are cold, and adjust to the following inflation pressure.
- Do not reduce the tire inflation pressure when traveling.

- HD325

Tire size	Inflation pressure
18.00-33-28PR (standard)	0.49 MPa (5.00 kg/cm^2, 71.0 PSI)
18.00-33-32PR (if equipped)	0.56 MPa (5.75 kg/cm^2, 81.7 PSI)
18.00R33★★ (if equipped)	0.69 MPa (7.00 kg/cm^2, 99.4 PSI)

- HD325 4WD specifications

Tire size	Inflation pressure
18.00R33★★ (standard)	0.69 MPa (7.00 kg/cm^2, 99.4 PSI)
18.00-33-32PR (if equipped)	0.56 MPa (5.75 kg/cm^2, 81.7 PSI)
18.00-33-28PR (if equipped)	0.49 MPa (5.00 kg/cm^2, 71.0 PSI)

- HD405

Tire size	Inflation pressure
18.00R33★★	0.69 MPa (7.00 kg/cm^2, 99.4 PSI)

NOTICE

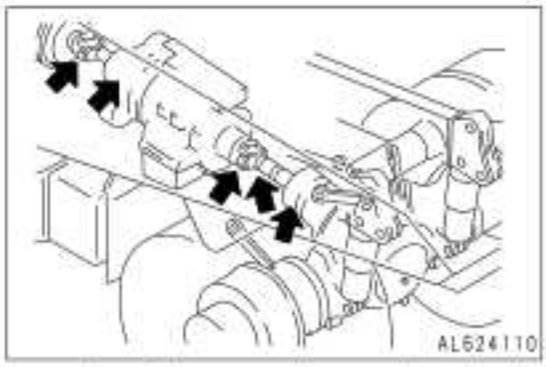
If the tires are used when the inflation pressure is less than the value given in the table above, the rim may be damaged. Always keep the tire inflation pressure within +0 to +0.03 MPa (0.3 kg/cm^2, 4.3 PSI) of the value in the table above.

- The maximum travel speed must be kept to less than 40 km/h (24.9 MPH). Stop for at least one hour for every one hour of travel to allow the tires and other components to cool down.
- Never travel with water or dry ballast in the tires.

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LUBRICATE DRIVE SHAFT (5 PLACES)

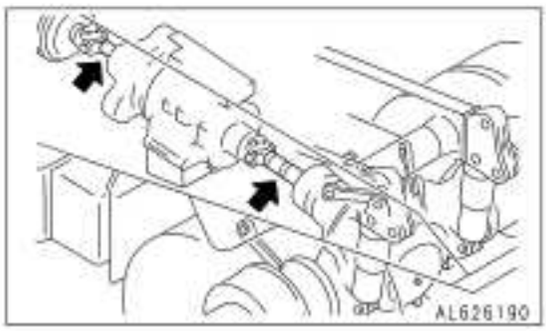
1. Using a grease pump, pump in grease through the grease fittings marked by the arrows.
2. Add grease to the spider portion until grease comes out from the cap seals (5 places).
3. After greasing, wipe off any old grease that was pushed out.



Carry out the greasing operation every day when operating in places where the grease flows out easily after traveling through mud or water.

CHECK DRIVE SHAFT

If there is any problem, such as looseness of the drive shaft connection, play in the spline or bearing portion, or runout of the shaft, please contact your Komatsu distributor for repair.



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