SEAM042KD200

Operation & Maintenance Manual

WA450-2

WHEEL LOADER

SERIAL NUMBERS **WA450 :A25001** 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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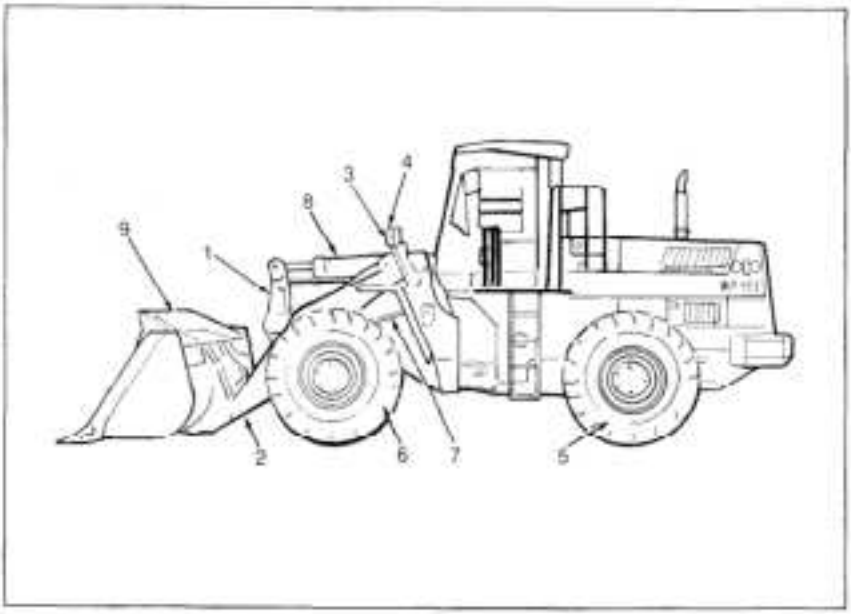
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OPERATION

GENERAL LOCATIONS AND SPECIFICATIONS



WA450-3 with cab and ROPS canopy

1. Tilt lever
2. Lift arm
3. Head lamp
4. Turn signal lamp
5. Rear wheel
6. Front wheel
7. Lift cylinder
8. Dump cylinder
9. Bucket

PERFORMANCE

1. Bucket capacity (Heaped) 4.2 m^3

2. Travel speeds:

Forward	Max. 31.9 km/h (19.8 MPH)
Reverse	Max. 35.1 km/h (21.8 MPH)

OPERATING WEIGHT 21700 kg

ENGINE

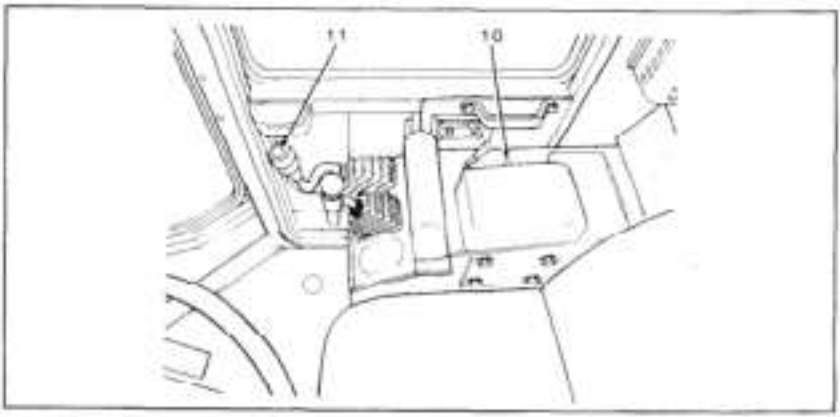
1. Model Cummins LTA 10C diesel engine

2. Flywheel horsepower (at 2100 rpm) 264 HP

NOTE: Specifications are subject to change without notice.

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OPERATION



CIGARETTE LIGHTER

This is used to light cigarettes. To use, push the lighter in. After the few seconds it will spring back. At that time, remove the lighter and light your cigarette.

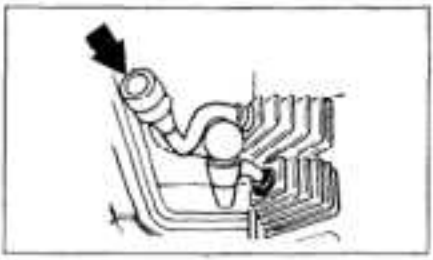


KICKDOWN SWITCH

If this switch is pushed when the speed control lever is in 2nd, the transmission shift down to 1st.

This switch is used to increase the drawbar pull in digging operations.

* To cancel the kickdown switch, move the directional lever to REVERSE or NEUTRAL, or move the speed control lever to any position except 2nd. It is also possible to cancel the kickdown switch by operating the parking brake switch or by turning the starting switch OFF.

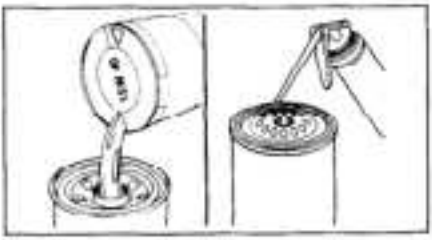


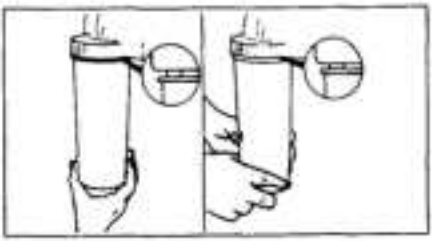
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MAINTENANCE

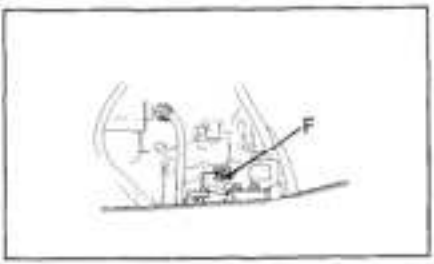
4. Clean the filter case and fill a new filter cartridge with engine oil. Then, apply engine oil or a thin coat of grease to the seal.

* Fill the oil filters with clean lubricating oil.
* Install the filter as specified by the filter manufacturer.
* Be careful not to tighten it up excessively.
* Be sure to fit a genuine Cummins cartridge.
* Tighten the filters until the gasket contacts the filter head surface.
* Tighten the filters an additional three-fourths, to one (3/4 to 1) turn or follow the instructions supplied with the filters.





5. After replacing the cartridge, pour in the specified quantity of engine oil from oil filler (F).
6. After refilling with oil, start the engine and idle it for a while. Then stop the engine and check the oil level. Wait for 5 minutes before checking.
7. Close the engine side cover.



* Refill capacity: 32 l
* The type of lubricant used depends on the ambient temperature. Select according to the table "FUEL, COOLANT AND LUBRICANTS".
* Replace once every 6 months, regardless of the number of hours operated.
* If engine oil filter is removed immediately after stopping the engine, oil will spill. Wait at least 10 minutes after stopping the engine before replacing the filter cartridge.

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