

OKADA OPERATING INSTRUCTIONS



Preparation before starting

Precaution during operation

Hydraulic oil

- ◆ Check the hydraulic oil level and the condition for contamination.
- ◆ Change the hydraulic oil every 600 hours and the oil filter every 100 hours.

Stop valves

Confirm that the stop valves are fully open.

Do not free-fall the breaker

Structural failure will result on the carrier and breaker.

Continuously apply down pressure

The breaker does not work when the chisel is off the material to be broken.

Bolts, nuts and hoses

Check that the connections of all hoses, bolts and nuts are tight. Retighten these if loose to proper specification.

Grease-up

- ◆ Grease every 2 hours through the grease nipples with chisel paste. (See the chart on back page for amount of grease)
- ◆ While greasing; the breaker must be stood up-right then with the weight of the carrier; press the working tool all the way until it stops.

Stop immediately when the material breaks

Blank firing will cause structural failure on the carrier and breaker.

Do not pry

The chisel will snap off. This failure is not covered by warranty.

Warming-up

Recommended working oil temperature is 122 to 176° F.

- ◆ Run the carrier for about 10 minutes to warm up the machine. Start operation only after the oil temperature has risen
- ◆ For the first hour of use of your breaker, operate at half engine speed in order to run in all the parts.

Do not continue hammering for more than 30 seconds

The chisel will loose hardness, and oil temperature rise will lead to failures.

Do not operate fully extended or shortened

Structural failure will result on the carrier.

Read OKADA instruction manual for more detail.

Storage

Store Breaker in the vertical position when not in use.

Do not immerse in water or sludge

Structural failure will result on the carrier and breaker.

Special modification is required to use underwater.

Do not lift any objects

The carrier could turn over causing serious injuries and equipment damage.

Routine and Periodic Inspection

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Part	Check Item	Countermeasure	Frequency
Grease nipple(s)	Grease-up with chisel paste	Breaker Class: Tubes/ day 250 - 1300# :1-2 tubes 2500 - 4000# :2-3 tubes 5000 - 7500# :3-4 tubes 10000 - 17000# :4-5 tubes	Every 2 hours
All bolts and nuts	Tightness	Retighten	Everyday
Chisel set pin(s)	Wear or damage	Replace	Everyday
Flange plugs for retainers	Tightness	Retighten	Everyday
Hydraulic oil	Insufficiency, deterioration or contamination	Replenish / replace	Everyday / Every 600 hours
Bracket	Wear or damage	Repair or replace	Every 1 month or 100 hours *1
Chisel	Wear or damage	Repair or replace	Every 1 month or 100 hours *1
Hydraulic oil filter		Replace	Every 100 hours *2
Back cap N ₂ gas	Gas pressure	Charge N ₂ gas	Every 3 months or 300 hours *1
Shank bushing	Wear or damage	Remove flaws or replace	Every 3 months or 300 hours *1, *3
Front cap bushing	Wear or damage	Remove flaws or replace	Every 3 months or 300 hours *1, *3
All seals		Replace	Every 12 months or 1000 hours *1
Accumulator bladder		Replace	Every 12 months or 1000 hours *1
Valve	Flaws on the sliding surface	Repair flaws	Every 12 months or 1000 hours *1
Cylinder	Flaws on the inner surface, loosen plug	Repair flaws, retighten	Every 12 months or 1000 hours *1
Cylinder sleeve	Flaws on the inner surface	Repair flaws	Every 12 months or 1000 hours *1
Piston	Flaws on the inner surface	Repair flaws	Every 12 months or 1000 hours *1
Bottom damper		Replace	Every 12 months or 1200 hours *1
Pad		Replace	Every 18 months or 1800 hours *1
Upper damper		Replace	Every 18 months or 1800 hours *1

*1 Take steps, whichever comes first. *2 As prescribed by the carrier machine manufacturer *3 Refer to the "Wear limit dimension of parts" for visual decision

- Shorten the inspection and replacement frequency if the breaker is repeatedly used continuously for many hours.
- The numbers above are not to assure the lifetime of each part.



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