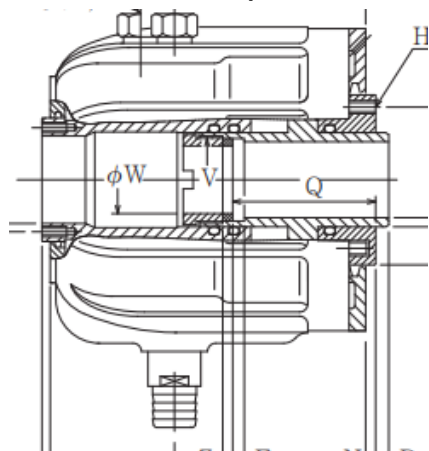


No.	007-24
job classification	Maintenance
target machine	NC Lathe

SHIOZAWA NEWS

Manufacturer	TAKAMAZ
Model	X10
Task	Oil leakage from hydraulic cylinder

【 Overview of repair machines : Oil leakage from hydraulic cylinder 】



【Hydraulic cylinder structure】



【Disassembled hydraulic cylinder】

【 Key points of the exchange operation : Identification of the location of the oil leak and investigation of the cause 】



【Correct end face runout and outside diameter runout of cylinder mounting flange】



【Vibration due to missing bolts in mounting parts】

【 Implementation details and approximate man-hours 】

- ◆ Identify the location of oil leak
- ◆ Replace bearings, seals, and O-rings in hydraulic cylinders
- ◆ Investigate the root cause of the hydraulic oil leakage and implement corrective measures.

If construction is done after seals and other parts have been received. ;



【 Overview of maintenance works 】

Preliminary inspection and preparation

- ◆ If the location of the oil leak has been identified, there is no problem; if not, the time required to identify the leak will be estimated on a case-by-case basis.

Works

- ◆ In principle, Seals for hydraulic cylinder, etc. are arranged by the customer. It takes about 3 days to dismantle, repair, and check operation.

Factors causing additional items

- ◆ Damage or replacement costs for parts other than those assumed will be quoted separately.