

Ref.No.: HZDS97-03, Issued Date:Aug, 1997

### Title

## Improved coupling joint for driving shaft of cyl. oil lubricator

Engine Type : K/L/S 50-80MC(E)

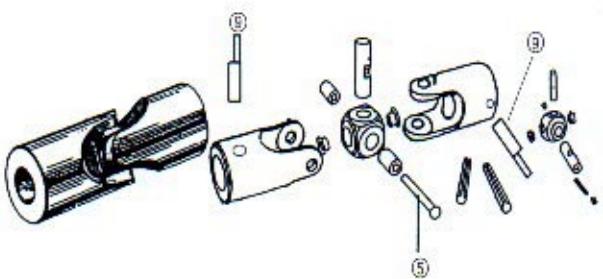
Recently, some accidents were reported from ships fitted K/L/S-MC type engine in which the pin (⑤ or ⑨) for universal joint had broken caused by wear.

Possible causes for this troubles are considered to be:

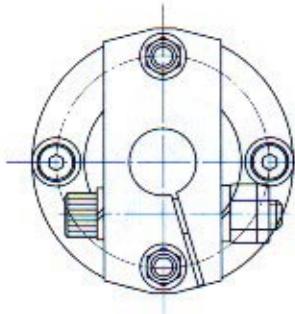
- Thermal expansion of cylinder frame
- Lack of lubricant
- Misalignment of driving shaft

It is recommended to check the wear condition of the subject universal joints on your engine(s).

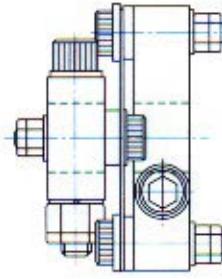
As a countermeasure hereafter we introduce the joint of plate-spring type. Please consider to adopt the new type joint for safety.



Original one (universal joint)



Improved one(plate-spring type)



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