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Applies to:		Bulletin subject:
WTD	X	Accumulator Maintenance
SAFETY WINDOWS		
AUTOMATION		
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## Maintenance of accumulator

According to Maintenance instructions for IMS sliding watertight doors with hydraulic drives. According to SOLAS CHAPTER II-1 CONSTRUCTION - STRUCTURE, SUBDIVISION AND STABILITY, MACHINERY AND ELECTRICAL INSTALLATIONS, the watertight doors shall be periodically inspected at sea at least once a week. IMS functional test procedure is carried out to make sure that the hydraulic system together with the door fully functional and capable of closing even if there should be a power outage.

As a result of this, symptoms of a worn accumulator should be visible in the form of non linear movements of the door as a result of nitrogen from gas side into the oil side.

Should this occur during the 3 stroke test, the Accumulator is due for refurbishment in form of replacing the piston with seals or replacing the whole accumulator..



Picture 1 Typical accumulator



Picture 2 Accumulator Refurbishment Kit

In general, with regards to any amount of operations, IMS recommend to refurbish / replace accumulators after a maximum of 10 years. This can be performed at IMS, by IMS or qualified personell only according to IMS procedure. Lead time for accumulator is 6-12 weeks.

Please contact: [service@imstec.no](mailto:service@imstec.no) for further information.