



**USCG Icebreaker Support Contract
DTCG85-00-D-66P381
Condition Found Report**

CFR Title: OW#2 (3/8") Motor Coupling
Vessel: USCGC Healy (WAGB 20)

CFR Date: February 19, 2004
CFR N^o: DO 029-001

Statement of Condition Found

During the annual groom of OW #2 we found the flex coupling connecting the motor to the gearbox was very loose. The key was loose and appeared to be very worn. The spider in the coupling is also worn. It is possible that the key way in the flex coupling and/or the gearbox shaft could be worn as well.

We separated the two halves of the coupling but could not remove the coupling. Further inspection is required.

Recommended Action

Remove the mounting bolts of the motor. Move the motor away from the gearbox. Remove the coupling and inspect the coupling, shaft and motor shaft. If only the key is worn, replace the worn key if possible and reinstall the coupling. Properly align the motor and torque the motor mounts. Provide the alignment readouts.

If upon inspection the key slot in the coupling is worn, replace the coupling. If the key way in the motor shaft or in the gearbox shaft is worn, provide such findings to the EO.

Prepared by: Ron White, Director of Operations, InterOcean Systems, Inc.

Work breakdown Attached? (Y/N) Yes

Customer Reply

Proceed w/further inspection and repairs as outlined and required to ^{the} OW #2 coupling to return it to proper service.

Customer Signature & Date

R. L. Kravue, LT 23 FEB 04