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SUBJECT: Amend 1 to Enterprise Rept 163 re potential problem w/jacket water pump gear. Initially reported on 930309 by Cooper Bessemer Reciprocating Products Div. Gears/assemblies in customer storerooms should be returned for replacement.

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Cooper Industries
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Reciprocating Products Division
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Cooper Energy Services

April 14, 1993

Our Ref: QCG-9388

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Enterprise
Report #163
Amendment #1

Dear Sir:

On March 9, 1993, Cooper-Bessemer Reciprocating Products Division, a division of Cooper Industries, notified the Commission of a potential problem with a jacket water pump gear, part number 02-425-03-AB (our ref. QCG-9345). The purpose of this letter is to advise of our latest findings and amend corrective action at the affected utilities.

Based on inspections at Duke Power and Texas Utilities, and fixture tests performed at our supplier, inspection of gears assembled on engines is sufficient to determine if replacement of the idler gear is necessary. For those cases where the idler gear exhibits linear contact patterns resulting from interference with the ends of the teeth on the water pump drive gear, it is recommended that replacement of the gear be accomplished in a scheduled manner based on the availability of replacement parts.

In any cases where the initial inspection of the idler gear shows no indication of interference with the water pump gear teeth, no further inspection or replacement will be required. It has been found that interference in the idler/water pump gear mesh manifests itself in only a few hours. Gears that have operated with no visual wear pattern in excess of twenty hours offer no reason for further concern.


Gears/assemblies in customer storerooms should be returned to Cooper for replacement/rework/inspection. Replacement/rework gears shipped by Cooper will be identified as 02-425-03-AB Rev E.

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If you have any questions regarding this issue, please contact John R. Schneider, Quality Assurance Manager or Ron G. Billig, Supervisor Enterprise Engineering at 412-458-8000.

Sincerely,



H. A. LaBrun
Vice President and
General Manager

HAL/kll

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Page 4
April 14, 1993
QCG-9388

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Page 5
April 14, 1993
QCG-9388

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