

Cooper Industries
Cooper-Bessemer
Reciprocating Products Division
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November 9, 1994



Cooper Energy Services

Our Ref: QCG-9995

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

Subject: 10 CFR Part 21 Report Revision
Master Power Connecting Rod

Dear Sir:

On January 12, 1987 Cooper Bessemer Reciprocating Products Division of Cooper Industries reported a potential problem with the master power connecting rod (KSV-4-2A#1) utilized in Cooper Bessemer "KSV" Emergency Diesel Generators. The report was identified as QCG-3364, and described master rod failure due to an iron plating repair.

On November 3, 1994, Commonwealth Edison Company (CECO) Braidwood Station experienced a master rod failure in the 2B diesel (Engine S/N 7180, Rod S/N 8H2214). Examination of the master rod indicated a failure mode similar to that described in the 1987 report.

The purpose of this letter is to report additional affected items. A review of in-house records was conducted and identified 4 affected master rods in addition to those reported in 1987. These 4 rods all bear 8H22XX series serial numbers. Due to the manufacturing practices in use in the 70's when these master rods were produced, the affected rods are identifiable by a production order number. The suspect numbers are 106-2, 106-6, 106-10, and 106-11.

Cooper recommends that the utilities listed below perform visual inspection of the master rods to determine applicability of this report. This may be conducted in the installed state.

SUMMARY

P/N: KSV-4-2A#1
Description: Master Power Connecting Rod
Potential Serial Numbers: 8H2204, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16
Affected Production Numbers: 106-2, 106-6, 106-10, 106-11
Notes: 1) Only master rods with matching production numbers and serial numbers are affected (4 total).
2) Master rods will also bear forging numbers identified with a "CA____", (i.e. CA150).

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Affected Utilities/Station

Utility / Station	Engine S/N	Master Rod S/N	Location (Crankshaft Throw)	Remarks
CECO, Braidwood	7179	8H2207	#3	Original Build
		8H2205	#5	Original Build
		8H2213	#10	Original Build
		8H2210	#2	Original Build
APS/Palo Verde	7180 Spares 7186	8H2206	Spare	Furnished as a Spare
		8H2216	Spare	Furnished as a Spare
		8H2212	#1	Original Build
Ni-Mo/NMP2	7191	8H2209	#2	Original Build
		8H2204	#3	Original Build
		8H2211	#8	Original Build
		8H2208		Ref. LP&L P.O.
Entergy, Waterford 3	Spare Parts	8H2215		L14200D

If you have any questions concerning this matter, please contact John M. Horne, Manager, Nuclear and Analytical Engineering at 412-458-3543, or John R. Schneider, Manager, Quality Assurance at 412-458-3434.

Sincerely,


J. R. Schneider
Manager, Quality Assurance

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