

Colt Industries



Fairbanks Morse
Engine Division
701 Lawton Avenue
Beloit, Wisconsin 53511
608/364-4411

DMB

50-322

April 9, 1984

Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Ill. 60137

Attention: Mr. James G. Keppler, Director, Region III

Subject: Colt Industries-Fairbanks Morse Engine Division
Emergency Diesel Generators
Long Island Lighting Co.
Shoreham Nuclear Plant
Cracked, Broken Engine Driven Lube Oil Pump Bosses
Part 21 Report

Gentlemen:

During factory tests of the first LILCO Colt-Pielstick PC-2.3 Diesel Generator Set, a broken boss on the engine driven lube oil pump discharge nozzle was discovered. The broken boss significantly reduced the sealing area between the pump and an adapter which screws into the boss. A second lube oil pump was examined and the boss area was found to be cracked.

Our Engineering Department has concluded that the cracking or breaking was the result of overtightening of the tapered thread adapter which screws into the boss. Such cracking or breaking, if severe enough, could permit oil leakage sufficient to prevent operation of an engine.

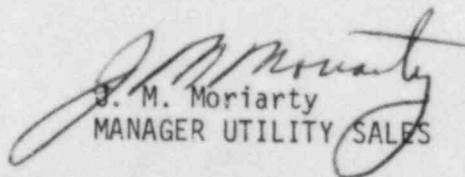
To prevent a recurrence, the adapter is being changed to straight threads with an undercut. The threaded hole in the boss has straight threads and need not be modified. All PC-2, PC-2.3 and PC-2.5 Diesel Engines shipped to the attached list of plants will be inspected for cracks or breakage and have their adapters changed to the straight thread design.

We will keep you advised of our progress in the field inspections and change-outs.

A copy of this report is being sent to the utilities involved.

Very truly yours,

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PDR ADOCK 05000322
S PDR


J. M. Moriarty
MANAGER UTILITY SALES

JMM:jc

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A division of the Colt Industries Operating Corp.

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cc: Stone & Webster Engineering Corp.
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Boston, Mass. 02107
Attention: Lead Electrical Engineer
J.O. No. 12179 (Millstone III)

South Carolina Electric & Gas Co.
P. O. Box 764
Columbia, South Carolina 29218
Attention: Mr. Dan Nauman
Manager, Q.A. & Security

Stone & Webster Engineering Corp.
P. O. Box 2325
Boston, Mass. 02107
Attention: Project Engineer for
Duquesne J.O. 12241

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Boston, Mass. 02107
Attention: Project Engineer LILCO

Sargent & Lundy Engineers
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Attention: P. L. Wattlelet
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P. O. Box 3965
San Francisco, CA 94119
Attention: Hope Creek Project Engr.

Washington Public Power Supply System
P. O. Box 1189
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Attention: Tom Murawski

U. S. Nuclear Regulatory Commission
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United Engineers & Constructors, Inc.
P. O. Box 8223
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Attention: Mr. D. H. Rhoads
Project Engrg. Manager
(Seabrook)

Bechtel Power Corp.
P. O. Box 607
Gaithersburg, MD 20760
Attention: SNUPPS Project Engineers