

Service Letter

No.: SL88-235/OES
April 1988

Dear Sirs,

Chemical Attack of Flexible Hose Connections of the Type
AEROQUIP FC350 Caused by the Decreasing Quality of HFO

It is established that the quality of residual fuel continues to deteriorate and the chemical composition of the residual products become more and more complex.

This has in a few cases caused chemical attack of the flexible hose connections for fuel oil outlet and inlet of the type AEROQUIP 350, installed on the resilient mounted MAN B&W HOLEBY auxiliary engines.

It is recommended that the flexible hoses are frequently inspected and renewed, when any sign of deterioration is observed or at least every second year.

The chemical composition of a residual fuel is difficult to assess but an important factor in determining the potential for chemical attack on the flexible hoses. The guarantee for flexible hoses intended used for HFO, has therefore been limited by the supplier of the hose to 6 months from the date stamped on the hose.

Risk of chemical attack increases exponentially with the temperature of the fuel, and we recommend to keep the temperature of the fuel as low as possible.

Furthermore, leakage of fuel oil from the flexible hose connections has been revealed due to in-accurate mounting. As a precaution, we recommend to check that the hose connections comply with the instructions on the enclosed technical information. (316-S1/614-S1).

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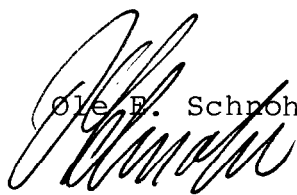
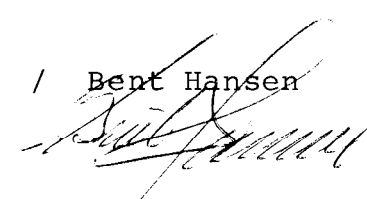
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As a counter measure to prevent leakage of fuel oil into the engine room MAN B&W HOLEBY has developed a heat resistant flexible cover with drainage to the fuel oil drain system.

Information about installation of the heat resistant flexible cover can be obtained by contacting the engine builder.

Yours faithfully,
MAN B&W Diesel A/S, Holeby

Ole E. Schnöhr / Bent Hansen
 

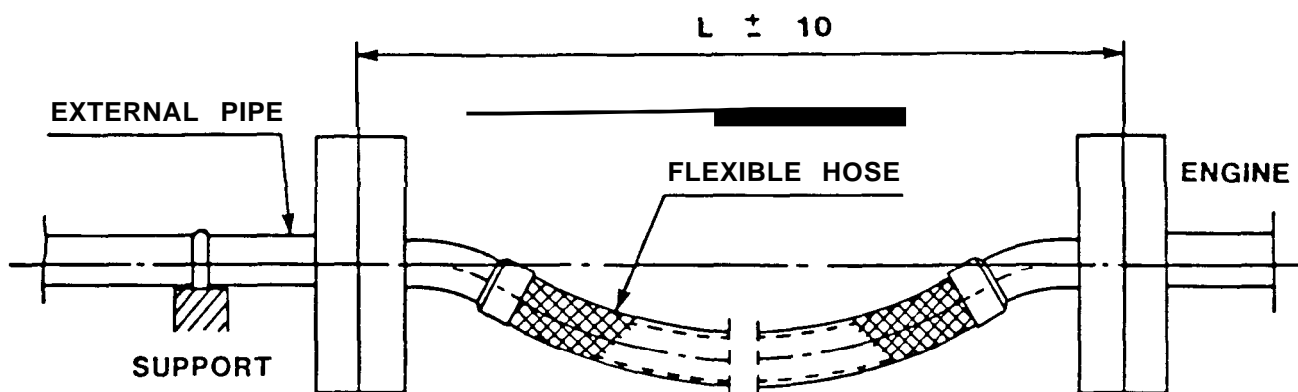
Enclosures

TECHNICAL INFORMATION

316-S1/614-S1

FLEXIBLE HOSE - FUEL OIL

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TYPE		NOMINEL SIZE	L
Aeroquip	FC 350-12	DN 15	500
Aeroquip	FC 350-16	DN 20	575
Aeroquip	FC 350-20	DN 25	650
Aeroquip	FC 350-24	DN 32	650

CHECK OF MOUNTING

The internal length "L" between the flanges must be in accordance with the actual type of the hose in the table.

The axis of flanges must coincide within ± 10 mm.

The hose must be mounted without any twist.

The external pipe connection to the flexible hose has to be rigidly fixed.

Abrasion from adjacent structures, moving parts or other hoses must be avoided.

The flexible hose must be mounted visible above floor level.