

Action code: AT FIRST OPPORTUNITY

Damaged Starting Air Pilot Valve

SL11-539/IUS
January 2011

Concerns

Owners and operators of MAN B&W two-stroke marine diesel engines.
Types: ME/ME-C

Dear Sirs

We have recently experienced a few failures of the starting air pilot valve and consequently starting problems of the engine. The failures were caused by two factors:

1. Disintegration of the activator piston in the pilot valve.
2. Loosening of the nut for positioning the magnetic coil on the pilot valve.

Re 1

Three types of valves have been used since the introduction of ME/ME-C engines – only the new type is used today, see below.

Maker: Bosch Rexroth

New type: **MAN No. 5158228-5** – Bosch Rexroth
No. R40-406-116-5 (aluminium piston).

Old types: **MAN No. 5057773-8** – Bosch Rexroth
No. R40-405-372-2 (synthetic piston).

MAN No. 1235947-9 – Bosch Rexroth
No. 565/331 (internal pilot air 30 bar).

We recommend inspecting the valves at the earliest opportunity, and check the valves at regular intervals of 12,000 service hours in connection with overhaul of the main starting valve.

Re 2

The finger nut for the magnetic coil should be secured with Loctite 222 to prevent loosening of this component.

Questions or comments regarding this SL should be directed to our Dept. LEO.

Yours faithfully


Mikael C Jensen

Vice President, Engineering


Stig B Jakobsen

Senior Manager, Operation



Head office (& postal address)
MAN Diesel & Turbo
Teglhølmegade 41
2450 Copenhagen SV
Denmark
Phone: +45 33 85 11 00
Fax: +45 33 85 10 30
info-cph@mandieselturbo.com
www.mandieselturbo.com

PrimeServ
Teglhølmegade 41
2450 Copenhagen SV
Denmark
Phone: +45 33 85 11 00
Fax: +45 33 85 10 49
PrimeServ-cph@mandieselturbo.com

Production
Teglhølmegade 35
2450 Copenhagen SV
Denmark
Phone: +45 33 85 11 00
Fax: +45 33 85 10 17
manufacturing-dk@mandieselturbo.com

Forwarding & Receiving
Teglhølmegade 35
2450 Copenhagen SV
Denmark
Phone: +45 33 85 11 00
Fax: +45 33 85 10 16
shipping-cph@mandieselturbo.com

MAN Diesel & Turbo
Branch of MAN Diesel & Turbo SE,
Germany
CVR No.: 31611792
Head office: Teglhølmegade 41
2450 Copenhagen SV, Denmark
German Reg.No.: HRB 22056
Amtsgericht Augsburg



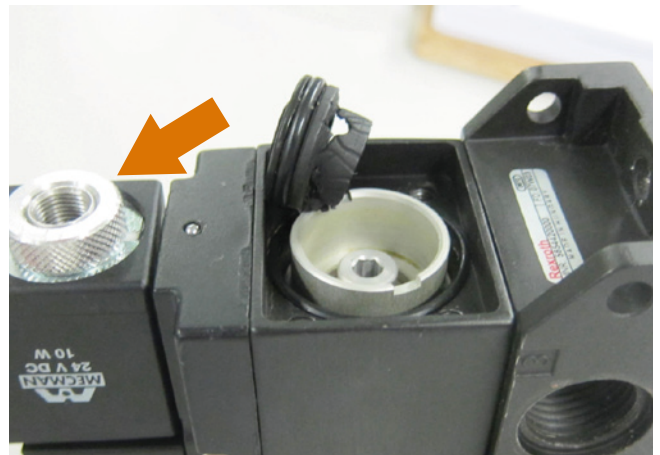
New Type
MAN No. 5158228-5
Bosch Rexroth No. R40-406-116-5 (aluminium piston)



Old Type
MAN No. 5057773-8
Bosch Rexroth No. R40-405-372-2 (synthetic piston)



Damaged synthetic piston (POM: Polyacetal)



Finger nut to be secured with Loctite 222