

Dear Sir or Madam

Continental guarantees that their NOx sensors have a lifetime of 2,000 hrs. After this point in time, Continental recommends exchanging the sensors. Since the sensors are always ON, this means roughly three months of life expectancy.

Due to the short lifetime expectancy, the sensors are not part of the engine maker's warranty, but are considered to be a consumable. Any failure after 2,000 hrs. of sensors purchased directly from MAN Energy Solutions (MAN ES) cannot be claimed against MAN ES, and we recommend keeping a stock of spare sensors on board each vessel. The expected shelf lifetime of a sensor is approx. two years.

MAN ES has logged service experience indicating that the sensors may reach a lifetime of up to 4,000 hrs., and an extended test of the sensor lifetime is being set up. In addition, MAN ES is currently investigating various suppliers who may offer better lifetimes.

If you decide to continue using the sensors beyond 2,000 hrs., you must – as you should in any case always do – pay attention to the following indications of when the sensors need to be replaced:

- “Sensor Not Ready” alarm. If this alarm repeatedly goes off, it is a clear sign that the sensors need replacement.
- “NOx sensor deviating” alarm. Change the sensors if they start drifting apart.
- If the ppm value measured reaches 2,000 ppm on the ERCS-MOP, this is an indication that the sensor has reached its maximum display value and that it is no longer displaying the correct value. Exchange the sensor/s.

MAN ES has no approval from authorities for using the sensors beyond the maker's guaranteed lifetime of 2,000 hrs. Therefore, we always recommend to replace sensors with more running hours than the guaranteed lifetime, in particular before entering a Tier III area.

Please direct any inquiries and questions to:

- Operation department: Operation2S@man-es.com, or
- PrimeServ Service department: dt-cph@man-es.com

Yours faithfully



Mikael C Jensen
Vice president, Engineering



Stig B Jakobsen
Senior manager, Operation

Action code: WHEN CONVENIENT

MAN SCR NO_x sensors

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Concerns

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

Summary

This Service Letter clarifies potential warranty cases for Continental NO_x sensors.

Spare parts

For spare parts please contact:
PrimeServ-CPH@man-es.com



Head office (& po. address)
MAN Energy Solutions
Teglholmegade 41
2450 Copenhagen SV
Denmark
Phone: +45 33 85 11 00
Fax: +45 33 85 10 30
info-cph@man-es.com
www.man-es.com

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

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

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

MAN Energy Solutions
Branch of MAN Energy Solutions
SE, Germany
CVR No.: 31611792
Head office: Teglholmegade 41
2450 Copenhagen SV, Denmark
German Reg.No.: HRB 22056
Amtsgericht Augsburg