

MAN Energy Solutions, 2450 Copenhagen, Denmark

C.C. Jensen
Att. Kim Kjær
Løvholmen 13
DK-5700 Svendborg

Copenhagen, 12 Januar 2022

Ref. 10954-2022

Kim Dyrvig
P +45 3385 2350
F +45 3385 1130
MarineInstallation2S@man-es.com

**No objection letter for CC Jensen system lubricating oil filter
CJC filter type: Marine Lube Oil Purifer 27 or 427 with LOX elements
Two-stroke engines: All types and fuels**

Dear Sir or Madam,

Test on one ship using an off line lubrication filtration unit with a CJC filter as the only cleaning unit (without centrifuge operating) has shown positive results. We do therefore have no objection to use an off line CJC filter (type as described above) for system lubricating oil cleaning based on the following:

- A centrifuge should be available and ready to use in case it is needed to remove excessive water from the lubricating oil as the CJC filter is only capable of absorbing small amount of water or in case of a failure of the CJC filter.
- Two WIO (Water In Oil) sensors should be installed – one at the lubricating oil inlet to engine, the other at the outlet of the off line CJC filter unit. Both should be connected to the alarm system.
- The normal in-line safety lubricating oil filters are kept in place.
- The CJC filter unit should be dimensioned for a nominal flow of 0.136 l/kWh.
- Lubricating oil samples should be obtained at regular intervals, analysed and evaluated. Proper action should be taken based on results.

As this product is neither produced nor sold by MAN Energy Solutions, MAN Energy Solutions cannot be kept responsible for any damage to engines or engine components that may be caused by the use of this product.

Should you have any questions, please contact MarineInstallation2S@man-es.com

This no objection letter is valid until 31 December 2022 or until it is canceled, whichever is first.

Best regards



Kim Dyrvig
Senior Research Engineer
Marine Installation Department

MAN Energy Solutions
Teglhømsgade 41
2450 Copenhagen SV
Denmark

P +45 33 85 11 00
F +45 33 85 10 30
info-cph@man-es.com
www.man-es.com

MAN PrimeServ
Teglhømsgade 41
2450 Copenhagen SV
Denmark
P +45 33 85 11 00
F +45 33 85 10 49
PrimeServ-cph@man-es.com

PRODUCTION
Teglhømsgade 35
2450 Copenhagen SV
Denmark
P +45 33 85 11 00
F +45 33 85 10 17
manufacturing-dk@man-es.com

FORWARDING & RECEIVING
Teglhømsgade 35
2450 Copenhagen SV
Denmark
P +45 33 85 11 00
F +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: Teglhømsgade 41
2450 Copenhagen SV
Denmark
German Reg.No.: HRB 22056
Amtsgericht Augsburg