



Lubricant Company, SINOPEC Corp.
455 Gaoyang Road; Hongkou District
Shanghai, P.R. China
P.C:200080
Att.: Ms Yu Qiaozhen

LDF1/DOJA /BSAM/150459-2013

19th December 2013

Revision: No Objection Letter for cylinder lube oil from SINOPEC, SINOPEC Marine Cylinder Oil 5055, 55 BN, SAE 50

Dear Ms Yu Qiaozhen,

This No Objection Letter (NOL) supersedes all previous NOL's for this oil incl., the latest with case no. 217917-2012 dated 2nd November 2012 for **SINOPEC Marine Cylinder Oil 5055**.

MAN Diesel & Turbo (MDT) has participated in the testing of the basic additive package that is part of the **SINOPEC Marine Cylinder Oil 5055, 55 BN, SAE 50** (the "Lube Oil") in the period between 2010 and 2011 according to our current field testing procedure (the "Field Test"). The Field Test was performed on a 6S90ME-C MAN B&W engine and covered engine operation on heavy fuel oil (HFO). The Field Test included more than 4000 service hours and inspections by MDT at the start, intermediate and end of the Field Test.

MDT has evaluated the Field Test and found the performance of the Lube Oil to be acceptable. Different engine types and different engine operation conditions may require different cylinder lubrication needs. Consequently, the result of this Field Test cannot be considered a general statement.

MDT has No Objection to the usage of the Lube Oil on the following MAN B&W two-stroke engine designs: Mark 7 and older. This is provided that the recommendations in our latest issued engine type specific guidelines are followed. Furthermore, this No Objection comes with three conditions:

1. This oil must be regarded as a 55 BN oil, and the feed rate must be compensated as such in relation to our basic design recommendation.
2. BN and total iron (Fe) in the drain must be carefully monitored, and the values measured must be in accordance with our latest issued engine type specific guidelines.
3. The marketing material associated with the Lube Oil must comply with the recommendations in MAN Diesel & Turbo's latest issued engine type specific guidelines.

MDT is not able to recommend the usage of the Lube Oil on our following engine designs:

- Mark 8.1 and further (e.g. S80ME-C8.1)
- Low-load or part-load optimised engines, e.g. with T/C cut-out, EGB (Exhaust Gas By-pass), WHR (Waste Heat Recovery), VT (Variable Turbine) and ECO-CAM.

HEAD OFFICE (& postal address)
MAN Diesel & Turbo
Tegholmegade 41
2450 Copenhagen SV
Denmark
Phone: +45 33 85 11 00
Fax: +45 33 85 10 30
mandiesel-cph@mandieselturbo.com
www.mandieselturbo.com

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

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

FORWARDING & RECEIVING
Tegholmegade 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: Tegholmegade 41
2450 Copenhagen SV, Denmark
German Reg.No.: HRB 22056
Amtsgericht Augsburg



As the Lube Oil is neither produced nor sold by MDT, MDT cannot be held responsible for any damage to the engine or engine components that may be caused by the use of the Lube Oil. Only the full and complete version of this NOL may be reproduced and/or displayed by the receiver.

Best regards,
MAN Diesel & Turbo

A handwritten signature in blue ink, appearing to read 'Dorthe Jacobsen', with a long horizontal flourish extending to the right.

Dorthe Jacobsen

Engine Process Research (LDF1)
Research and Development, Marine Low Speed
Phone: +45 3385 1143 / +45 3385 1100
Email: LD@mandieselturbo.com