

MAN Diesel & Turbo



PetroChina Lubricant Company  
F/17  
No.8-A Jinxingyuan,Taiyanggong  
Chaoyang District  
Beijing,100028,  
PR. China  
Att.: Wang Baowei

EEEDF4JUSV/CEN/3772-2017

4 July 2017

**No Objection Letter: Cylinder Lube Oil from PetroChina, KUNLUN DCA 50100C, 100 BN, SAE 50**

Dear Wang Baowei,

MAN Diesel & Turbo has participated in the testing of the basic additive package that is part of KUNLUN DCA 50100C, 100 BN, SAE 50 (the "Lube Oil") in 2013 according to our prevailing field testing procedure (the "Field Test"). The Field Test was performed on a 6S80ME-C mark 9.1 MAN B&W engine and covered engine operations on heavy fuel oil. The Field Test included more than 1000 service hours and inspections by MAN Diesel & Turbo at the start, and the end of the test.

MAN Diesel & Turbo has evaluated the Field Test and found the performance of the Lube Oil acceptable. Different engine types and different engine operation conditions may require different cylinder lubrication feed rates and or oil type. Consequently, the result of this Field Test cannot be held out as a general statement.

MAN Diesel & Turbo has No Objection to the usage of the Lube Oil in our MAN B&W two-stroke engine designs provided that the recommendations in our prevailing engine-type specific guidelines are followed.

Engine-type specific guidelines, engine-design, operation pattern, legislation and economic conditions all influence the lubrication in a direct or indirect way and they are all subjected to changes. As a consequence, MAN Diesel & Turbo reserves the right to revise or withdraw the No Objection to the usage of the Lube Oil if the usage of the Lube Oil is deemed to not be applicable for all or certain engines types.

Quality assurance and monitoring of product performance are important. We expect that PetroChina has processes in order to assure that the quality of the product is acceptable and suitable for its intended use.

<b>HEAD OFFICE (8 postal address)</b> MAN Diesel & Turbo Tegtholmsgade 41 2450 Copenhagen SV Denmark Phone: +45 33 85 11 00 Fax: +45 33 85 10 30 mailto:enquiries@mandieselturbo.com www.mandieselturbo.com	<b>PrimeServ</b> Tegtholmsgade 41 2450 Copenhagen SV Denmark Phone: +45 33 85 11 00 Fax: +45 33 85 10 40 mailto:prime@mandieselturbo.com	<b>PRODUCTION</b> Tegtholmsgade 25 2450 Copenhagen SV Denmark Phone: +45 33 85 11 00 Fax: +45 33 85 10 17 mailto:manufacturing_ch@mandieselturbo.com	<b>FORWARDING &amp; RECEIVING</b> Tegtholmsgade 25 2450 Copenhagen SV Denmark Phone: +45 33 85 11 00 Fax: +45 33 85 10 16 mailto:shipping-qr@mandieselturbo.com	<b>MAN Diesel &amp; Turbo</b> Branch of MAN Diesel & Turbo SE, Germany CVR No. 21011702 Head office: Tegtholmsgade 41 2450 Copenhagen SV, Denmark German Reg. No. HRB 2008 Amtsgericht Augsburg
---	--	--	---	--

MAN Diesel & Turbo -- a member of the MAN Group

MAN Diesel & Turbo



As the Lube Oil is neither produced nor sold by MAN Diesel & Turbo, MAN Diesel & Turbo 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 No Objection Letter may be reproduced and/or displayed by the receiver.

Best regards,  
MAN Diesel & Turbo

Julia Svensson  
Emission Reduction Technology (EEEDF4)  
Research and Development, Marine Low Speed  
Email: LD@mandieselturbo.com

Approval Date: April 2017  
Model Tested: 6S80ME-C MK9.1