



Dear Sirs and Mesdames

This service letter contains information regarding the introduction of a new piston ring package for the engine type L23/30H.

After the introduction of designated emission control areas (ECAs); vessels trading within these areas have to use fuels with a maximum sulphur level of 0.10%. To meet the requirements the installed engines must be switched to operation on Low Sulphur Marine Gas Oil (LSMGO).

Recent service experience gathered with the operation on LSMGO showed that there is a higher tendency of developing lacquering in the cylinder liners. Consequently, increased lube oil consumption was observed when operating at LSMGO. When switching back to fuel with higher sulphur content, we see that the lube oil consumption come back to normal level.

In order to improve the engine operation on low sulphur fuels a new piston ring package is developed with the following technical updates:

- New No. 3 piston ring with new shape to reduce the lube oil amount escaping to the combustion chamber.
- New oil scraper ring with higher tangential force in order to improve the ability to scrape the oil back to the crankcase during operation.

With the new piston ring package we have experienced considerably lower lube oil consumption in connection with LSMGO operation, but also generally lower Specific Lube Oil Consumption (SLOC) can be observed when the new piston ring package is applied.

The new piston ring package is introduced as standard for all new engines and are available as retrofit for engines in service.

In case you have any questions or comments, please forward your mail to LEO7-HOL@mandieselturbo.com and refer to this service letter.

Yours faithfully

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Vice President,
Engineering

Stig B. Jakobsen
Senior Manager,
Operation

Action code: **WHEN CONVENIENT**

New Piston Ring Package

Replacement of SL2018-657/JNN

SL2018-661/JNN

May 2018

Concerns

Owners and operators of
MAN four-stroke diesel engines.

Type:

Marine: L23/30H

Stationary: L23/30S

Propulsion: L23/30A

Dual Fuel: L23/30DF

Attachments

Work card 506-01.10 (25)

Work card 116B3-04-L2330AK (updated)

Plate P50605-09

Plate P11614-09-L2330AK

Plate P51706-14

Plate P51706-15 (added)

Plate P11684-01-L2330AK (added)

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