



Technical Brief

Gulf Marine's Products listed in MAN Energy Solutions Service Letter (SL2022-728/JUSV)

[Published in Sep 2022]

In August 2022, MAN Energy Solutions (MAN ES) published its service letter (SL2022-728/JUSV), presenting the Category II 40BN cylinders oils currently available in the market. The letter also provided a general overview of the major international brands of cylinder oils and system oils.

Gulf Marine is firstly very pleased that our cylinder oils and system oil have been listed by MAN ES in the service letter.

We also have had customer inquiries with reference to our products. This bulletin will explain our responses to the questions that customers have, regarding our products being listed in the MAN ES service letter (SL2022-728/JUSV).

As Category II cylinder oils have just been introduced to the market, there have been many questions asked by vessel operators. This bulletin will also compile some frequently asked questions (FAQs) and the respective responses.

Service Letter SL2022-728/JUSV

MAN Energy Solutions

Action code: WHEN CONVENIENT

Cylinder and system oils
MAN B&W low-speed
two-stroke engines

SL2022-728/JUSV
August 2022

Concerns
Owners and operators of All MAN B&W
ME-C/ME-B/MC-C, ME-G/E-,
ME-LGIM/P and ME-GA engines.

Summary
Examples of international cylinder and
system oil brands tested in service.

Relevant Service Letters
[SL 2019-670 0.50% S fuel operation](#)

Dear Sir or Madam

This service letter presents the Category II 40 BN cylinder oils which have shown excellent overall performance on MAN B&W two-stroke engines, especially when focussing on cleaning ability. It also provides a general overview of the major international cylinder and system oil brands currently available in the market.

For specific lubrication guidelines, reference is made to the latest lubrication guidelines available for your specific engine type, for example service letters and circular letters. Service letters are available at: <https://marine.man-es.com/two-stroke/service-letters>

For questions and inquiries regarding the content of this letter, please contact our Operation department at:
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Yours faithfully

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Category II
All MAN B&W
engines
Mk 9 & higher

Category I
Mk 8 & lower
MAN B&W
engines

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MAN ES Service Letter SL2022-728/JUSV

Gulf Marine Products

in MAN ES Service Letter

Omission of Gulf Marine's Gulfsea Cylcare 50140X in Table 1 Other Omissions

The letter's Table 1 lists the major international **Category II cylinder oils** tested in service with acceptable results, and which have passed the testing procedure and obtained an NOL (no objection letter) while Table 2 lists the **Category I cylinder oils**.

There were questions that pertained to Gulf Marine's Gulfsea Cylcare 50140X which was listed in table 2 but not in table 1 (with the rest of the Category II oils).

We would firstly like to clarify that our Gulfsea Cylcare 50140X is indeed a **Category II oil**. Somehow it was omitted in the letter's Table 1. Interested customers can reach out to Gulf Marine representatives and refer to our NOL which was issued by MAN ES; alternatively, they can reach out to MAN ES directly.

We would also like to point out the guidance in the service letter advising readers not to "consider these lists to be complete, as other Cat. II cylinder oils with NOLs from MAN Energy Solutions can be equally suitable." (Note that these words are extracted directly from the letter).

There are also some other omissions that we would like to highlight. Gulf Marine has another Category II BN40 cylinder oil with a full NOL (Gulfsea Cylcare XP 5040S) not listed in Table 1.

As an aside, this other Category II BN40 cylinder oil is developed as part of our robust product development process where we develop different formulations for the same application. Importantly, the additional formulations help to ensure our extensive product availability / coverage.

Besides our Gulfsea Cylcare XP 5040S, our GulfSea Cylcare ECA 50, which is a very low BN cylinder oil (< 40BN) suitable for use in Emission Control Areas (ECAs), is also not listed in Table 2.

Gulf Marine Cylinder Oils with MAN ES NOLs

The tables below show the full list of Gulf Marine's cylinder oils with MAN ES' NOLs.

Category II Cylinder Oils – all MAN B&W engines and recommended for Mark 9 and higher

Company	140BN	100BN	40BN
Gulf Marine	GulfSea Cylcare 50140X	GulfSea Cylcare 50100S GulfSea Cylcare 50100X	GulfSea Cylcare XP 5040S GulfSea Cylcare XP 5040X

Category I Cylinder Oils – MAN B&W engines Mark 8 and lower

Company	70BN	40BN	ECA Operations
Gulf Marine	GulfSea Cylcare DCA 5070H GulfSea Cylcare DCA 5070S	GulfSea Cylcare DCA 5040S GulfSea Cylcare DCA 5040X	GulfSea Cylcare ECA 50X

GulfSea Cylcare ECA 50

We would also like to advise that we will be slowly moving to phase out our ECA50 cylinder oil.

With the development of our Category II BN40 cylinder oils, we have a demonstrably strong-performing low BN cylinder oil suitable for use in ECAs. This is based on MAN ES' recommendation that "[t]he Cat. II 40 BN oils can be used for operation on <0.10-0.50% S fuels and LNG, ethane, methanol, and LPG"; these are the typical bunkers used in the ECAs.

Our Category II BN40 cylinder oils have shown immensely strong detergency performances*. Given that our Category II BN40 cylinder oils will also be suitable both inside and outside the ECAs, it will mean that vessel operators will not need to switch cylinder oils when they move in and out of the ECAs and change bunker operations.

We expect that given the operational convenience (plus the similar price points for the two products), vessel operators' demand for the ECA50 cylinder oil will gradually be reduced in favour of our high-performance Category II BN40 cylinder oils. Hence, Gulf Marine's withdrawal of the ECA50 cylinder oil. The withdrawal will be carried out to ensure minimal operational / product availability issues for customers.

- * Notes:
1. Our GulfSea Cylcare XP 5040X was the first Category II BN40 cylinder oil to obtain the MAN ES NOL.
 - 2 From the MAN ES service letter: "Cat. II cylinder oils have excellent overall performance with a special focus on cleaning ability. To achieve this status, a cylinder oil must complete extensive testing."

Operational FAQs for Category II Oils

1. Can we use Gulfsea Cylcare XP 5040X on Mark 8 and lower engines?

Yes, if the current product does not have the cleanliness required on the piston, please use Gulfsea Cylcare XP 5040X.

2. When are we supposed to use Gulfsea Cylcare 50140X for Mark 9 and above?

When cold corrosion is observed on the cylinder liners after using 100BN product, Gulfsea Cylcare 50140X is recommended.

3. Can we mix the current Gulfsea Cylcare DCA 5040X with Gulfsea Cylcare XP 5040X?

While the two products are miscible and compatible, vessel operators need to be aware that by mixing both products, the resulting blended oil will not achieve Category II performance. If there is an urgent need for mixing, we recommend a mixture of 10/90 ratio to ensure that the Category II lubrication performance isn't impacted too much.

4. Can Gulfsea Cylcare XP 5040X be used for ULSFO (<0.1% sulphur)?

Yes, as per the MAN ES Service Letter, Gulfsea XP 5040X can be used for engines operating on <0.10-0.5% S fuels, LNG, LPG, ethane and methanol.

5. Please advise if we were to use the new XP 5040X (with more detergency), will BN 100 be needed for cleaning periodically?

As per the MAN ES Service Letter, alternating between high- and low-BN cylinder oils for cleaning-up purposes will not be necessary when a Category II 40 BN is used.

Further Questions

For questions regarding the content of this bulletin, please contact your Gulf Marine representative.

**Reference:* MAN ES Service Letter (SL2022-728/JUSV)
https://www.man-es.com/docs/default-source/service-letters/sl2022-728.pdf?sfvrsn=4533c0c4_4

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