Service Bulletin

22th July 2020
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Dear Customers,

Precautions for use of Renewable fuel or Alternative fuel (except Biodiesel fuel)

This Service Bulletin describes the engine's impact and warranties when using renewable fuels or alternative fuels on Yanmar diesel engines.
Renewable fuels or alternative fuels here refer to GTL(Gas to Liquid), BTL(Biomass to Liquid) and HVO(Hydrotreated Vegetable Oil) that complied with the EN15490 standard. For biodiesel fuel (FAME), please refer to the previously issued Bulletin ISB-20-004E.

EN15940 complies with European Directive 98/70/EC, CEN's diesel fuel standard EN 590, and American diesel fuel standard ASTM D975. The alternative fuels that complies with the EN15940 have lower density and lower calorific value per unit capacity than ordinary diesel fuels, and it is expected that the output will decrease. In addition, since it's ~~the~~ cetane number is high, the work machine manufacturers are kindly requested to ~~please~~ evaluate the output characteristics, exhaust temperature~~,~~ and low temperature startability by using the fuel used by yourselves. On the other hand, if user uses an alternative fuel that does not comply with EN15940 is used, problems such as seizure of the fuel injection pump may occur due to deterioration of fuel lubricity. Therefore, the machine manufacturer should inform the users about possible problems.

Further, please confirm in advance in each region whether the use of renewable fuels or alternative fuels are a problem under tax law or so on.

Based on the above, the use of renewable fuels and alternative fuels that comply with the EN15940 standard is permitted. However, engine performance due to fuel properties is not covered by the warranty.

Sincerely

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