

REVISED

Classification : Information

Issue Date : ~~September 25th 2020~~ April 6th 2021

Bulletin Number : K000-00-057

Subject : Guideline on usage of HVO

Applicable Area : Europe

Applicable Model : refer to below guideline

1. Background information

KOBELCO agreed with engine supplier (ISUZU, YANMAR and HINO) the usage of HVO diesel, we would like to inform the detail in below guideline.

2. Guidelines

KOBELCO approve the usage of HVO diesel which complies with EN15940.

Do not use any HVO diesel which does NOT comply with EN15940.

3. Applicable models

Below list shows KOBELCO product which approved HVO diesel can be used.

Engine supplier	Applicable model for the usage of HVO diesel	Generation
ISUZU	KOBELCO products with ISUZU engine	SR-5 and up
YANMAR	KOBELCO products with YANMAR engine	No limitation
HINO	KOBELCO products with HINO engine	No limitation

4. Notification for usage of HVO diesel

Please read and accept the following items before using HVO diesel.

- Dealer and/or Customer have to comply with "Laws and Regulations" in each country For the usage of HVO diesel.
- In case HVO diesel is used, engine performance (e.g. engine output down) may get worse because density and heating value of HVO diesel is lower than one of regular diesel.
- In case approved HVO diesel is not used, engine failure (e.g. injection pump damage) may occur because of poor lubrication of diesel.
- No special modification on above applicable models is required against usage of HVO diesel.
- Storage procedure is common with regular diesel.
- Maintenance interval is common with regular diesel.

This bulletin is issued for information only and is not an authorization for warranty claim submission