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11. Guide Line to apply Low Sulfur MGO for Global Sea operation after 2020 regulation. (Modify to LSMGO Spec Engine)

・Lubrication Oil Property:

-TBN Value:10-15mgKOH/g

・Fuel Oil Property:

-F. O. Viscosity more than 2.0mm2/s at the engine Inlet.

If can not meet it with current FO system, consider to install Cooler.

-F.O. Lubrication Indicator HFRR: less than460μm

*In case can not meet the above parameter, add Lubricate additives.

-Modify the FO pressure to 0.2 -0.3Mpa (for HFO Spec)

・ Engine Side:

-F.O. Plunger with Carbon coating

-F.O. Injection Nozzle(for HFO Spec)

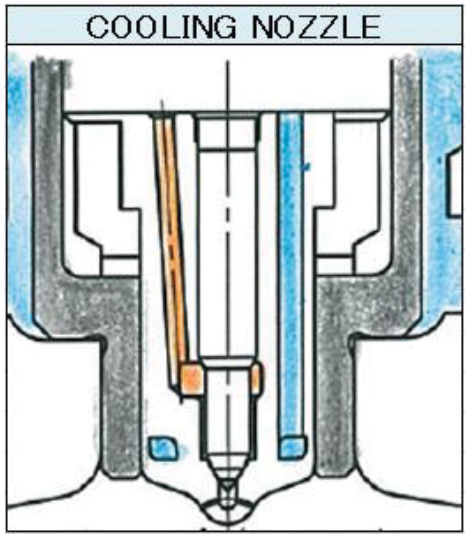
Modify to Non-Cooling type Nozzle if using cooling type.

-Nozzle Holder Guide(for HFO Spec)

Modify to Non-Cooling type Nozzle if using cooling type.

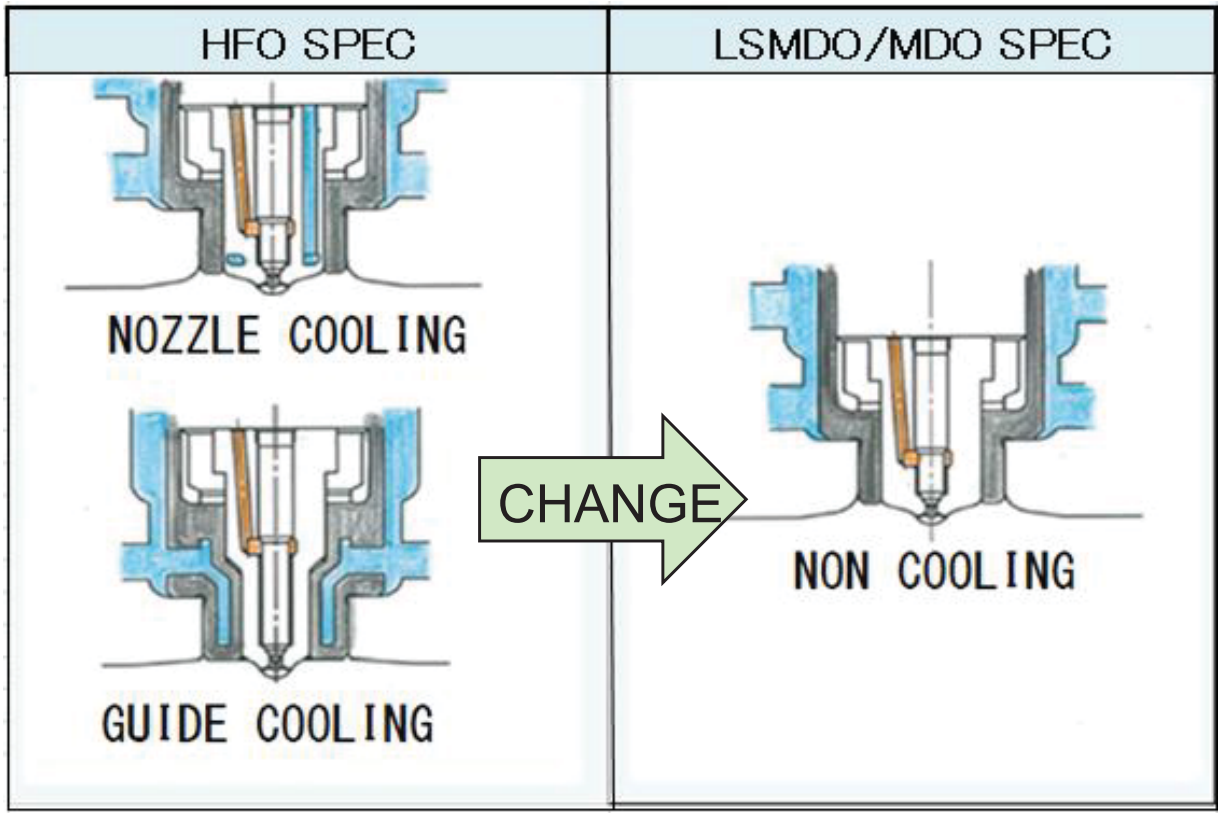
-Engine driven F.O. booster pump

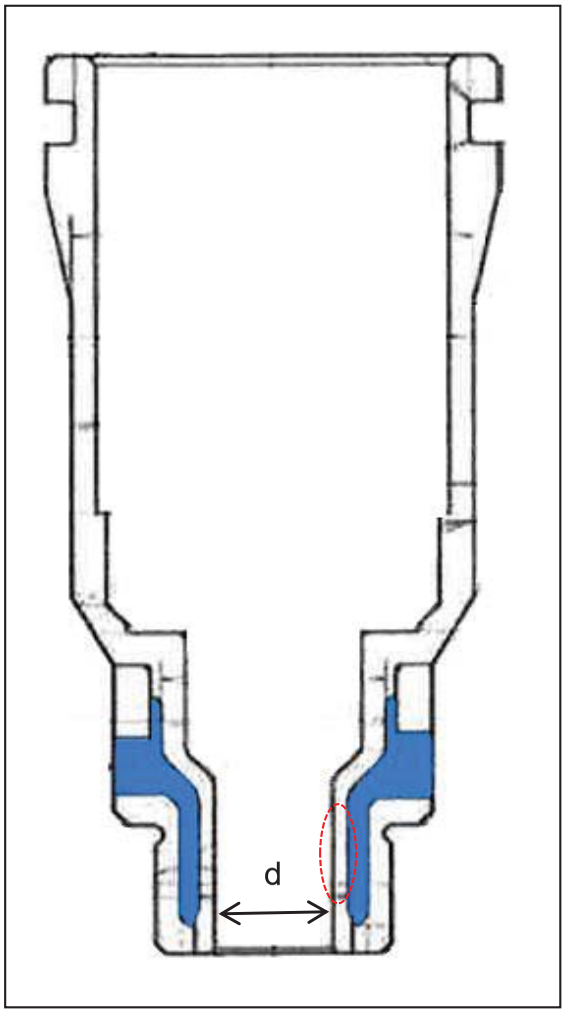
Modify components to suit with low sulfur fuel oil



12.Modification of Nozzle Holder Guide & Nozzle for HFO to LSMGO Spec Engine

While using LSMGO, applying the Cooling type Nozzle Holder Guide & Nozzle might cause over cooling and corrode the parts eventually makes holes.





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13. Example of MODIFICATION for LSMGO application For 6DK-20 HFO spec.

6DK-20 HFO spec
Nozzle Holder Guide
Plunger (if still uses no coating type)
FO supply pump
FO supply pump driving device

