

Subject: **Information against Containment for MET turbocharger**

Regarding the “Off Limits Area” around turbocharger, necessary warning label is attached on the turbocharger itself and explanation is indicated in the instruction manual for currency turbocharger.

However, such warning was not given for some old type turbochargers.

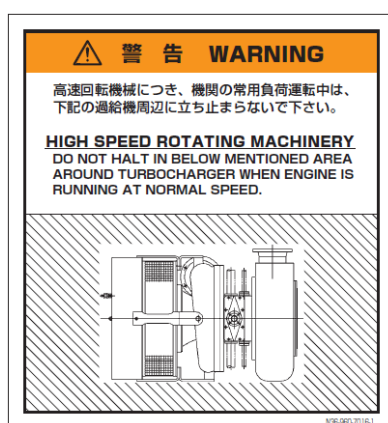
On the other hand, more severe containment requirement was issued by regulation amendment of IACS 2016.

To comply with this requirement, MHI issue this paper not to close the turbocharger during normal operating period.

**Not only this service bulletin but warning label on the turbocharger(s) is available.  
Kindly ask to service station.**

Table 1 Turbochargers List (to be attached the warning label)

Type	Intended delivery year
MET-SR、SRII Series	Delivered by September 2007
MET-SC/SD/SE Series	Delivered by August 1998



(MET-SR/SRII Series)



(MET-SC/SD/SE Series)

Fig.1 Warning label

## (Remarks)

Recommendation to reduce the risk.

- ① Surely perform regular maintenance works followed the instruction manual
- ② Keep within Max. permissible speed and max. allowable temperature.
- ③ No use of low quality fuel oil (To prevent unbalance of rotor shaft caused by fouling and/or over-run caused by firing of the unburnt fuel oil at downstream of the engine)
- ④ No use of low quality lubricating oil
- ⑤ NDT(PT) around claw clutch before reassembly of impeller wheel.
- ⑥ Confirmation of the rotor shaft end bending (within 0.1mm) after completion of impeller wheel reassembly.
- ⑦ Correct tightening force followed instruction manual and confirmation of the distance between rotor shaft end and tightening nut end.(Refer to the instruction manual for more detail)