



Information of Engine Parts

Ref. No. : HSP-B1601E Date of Issue : October 2016

Engine Type: Cylinder bore diameter more than 500 mm Cylinder liner inner diameter automatic measurement service

We start "cylinder liner inner diameter automatic measurement service", which enables checking cylinder liner wear condition without cylinder cover overhaul.

In comparison with the previous measurement procedure, cylinder liner wear condition can be checked much easier and faster.

Feature of this service is as follows. See next page for outline of measurement method.

- Measurement without overhauling cylinder cover, by using the special measurement device
- Safe measurements that no man needs to enter cylinder liner.
- Time needed for measurement: 40 min.~1hour per 1 cylinder ※1
- Mounting of this special measurement device and the measurement is done by our engineer※2
- Measurement results are recorded as digital data for easy analysis/management .
- Inside condition can be checked by a camera at the same time with the measurement

※1 Extra 2 hours are needed only at the first measurement for calibration and loosening cylinder cover.
(For 1 cylinder).

※2 As the preparation in prior to our engineer's attendance, please carry out overhaul of scavenging manifold and cleaning cover, remove indicator valve.

In case of the first attendance, we may ask loosening of cylinder cover.

With this easier measurement procedure, by facilitating more often measurements, more details capable to know wear progress condition. For example, cylinder liner condition can be checked easier at calling port before dry-docking.

For more details, please do not hesitate to contact our sales department below.

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Measurement procedure

Wear Gauge

Inner diameter is measured automatically by pressing gauge on liner with a built in motor.

The measurement data is wirelessly transmitted.

Wear gauge and liner wall temperature data measured by 2 thermometers are also transferred.



Depth Gauge

Fitting position: at the liner bottom

Position is measured by laser without touching piston by fitting a reflector to the piston crown.

