

# Amendments for requirements of tests and inspections for engine components

## ■ Summary of Major Amendments

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Related Rules/Guidance	Effective date
Rules Pt 5, Ch 2, 211.	1 Jan. 2020 (Date of application for certification)

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## ■ Major Amendments

### ○ Reason for Amendments

Amendments of IACS UR M72 (Rev.2) related to the tests and inspections for engine components, and the application difficulties and industry requests have been reflected.

### ○ Amendments

– Reflecting IACS UR M72 (Rev.2).

→ The applicability of the testing requirements was amended to align with the requirements for engine blocks regardless of engine type according to the terminology of ISO 7967-1 (Engine block: crankcase with an integral cylinder or cylinder jacket (or casing), Cylinder block: two or more cylinders, integral or bolted together).

→ The requirements for mechanical and chemical testing for “high pressure fuel injection pump body” were introduced.

→ The wording “CD again after final machining (grinding and polishing) in Piston rod, Cross head are deleted since it is potentially confusing that the current requirement appears to mandate two stages of CD.

→ The rows of the table relating to “Semi-built crankshaft”, “Crank throw” and

“Forged main journal and journals with flange” were consolidated into a single row in the table as they all have the same test requirements.

- The note is newly introduced which the manufacturer approval in material tests for high pressure fuel oil system and servo oil system and, dimensional inspection for bearings can be omitted.
- Added note to allow cooler to comply with KS or international standards if it is a Class 3 pressure vessels.

#### ○ **Impact Analysis**

- ✓ Indication of any impact on and/or contribution to safety, security or environmental protection

: N.A

- ✓ Indication of any impact on net and gross scantlings

: N.A