

Dear Sir or Madam

We have updated essential guidelines and acceptance criteria in our instruction manuals for evaluation of:

1. Piston ring coating peeling-off and coating condition
2. Deposit build-up on piston ring lands.

**Piston ring coatings**

1. *Cermet coating* has been introduced to reduce piston ring wear and to increase scuffing resistance. The cermet coating is a piston ring coating with the same lifetime as the piston ring.
2. *Aluminum-bronze coating (alu-coat)* is applied on all cermet-sprayed piston rings to facilitate the running-in procedure. This coating will typically wear off within 1,000–3,000 running hours, depending on fuel type and load conditions.

**Guidelines and acceptance criteria**

See the updated guidelines and criteria in the instruction manual, description 2245-0100-0005, Cylinder condition, sections:

2.3.10 Alu-coat and cermet-coating peeling-off

Acceptance criteria for coating peeling-off. The section contains guidelines and examples to support the correct estimation of the degree of peeling-off and the coating condition.

2.3.12 Deposits on ring lands

Examples of piston ring land deposits and condition combined with required actions.

2.3.13 Cermet-condition overview

Examples of different ring conditions and the required actions.

You can download the updated chapter [here](#).

Yours faithfully



**Mikael C Jensen**  
Vice President, Engineering



**Stig B Jakobsen**  
Senior Manager, Operation

**Action code: WHEN CONVENIENT**

**Updated evaluation guidelines**

Piston ring coating and deposit build-up on piston ring lands

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**Concerns**

Owners and operators of MAN B&W two-stroke marine diesel engines.  
Type: MC/MC-C, ME/ME-C and ME-B

**Summary**

Update of guidelines and essential acceptance criteria in the instruction manual for evaluation of: piston ring coating peeling-off, coating condition, and deposit build-up on piston ring lands.

