

## Service Information No. 11 / 05

Date: 08.07.2005

### Experience with Ring Groove Wear

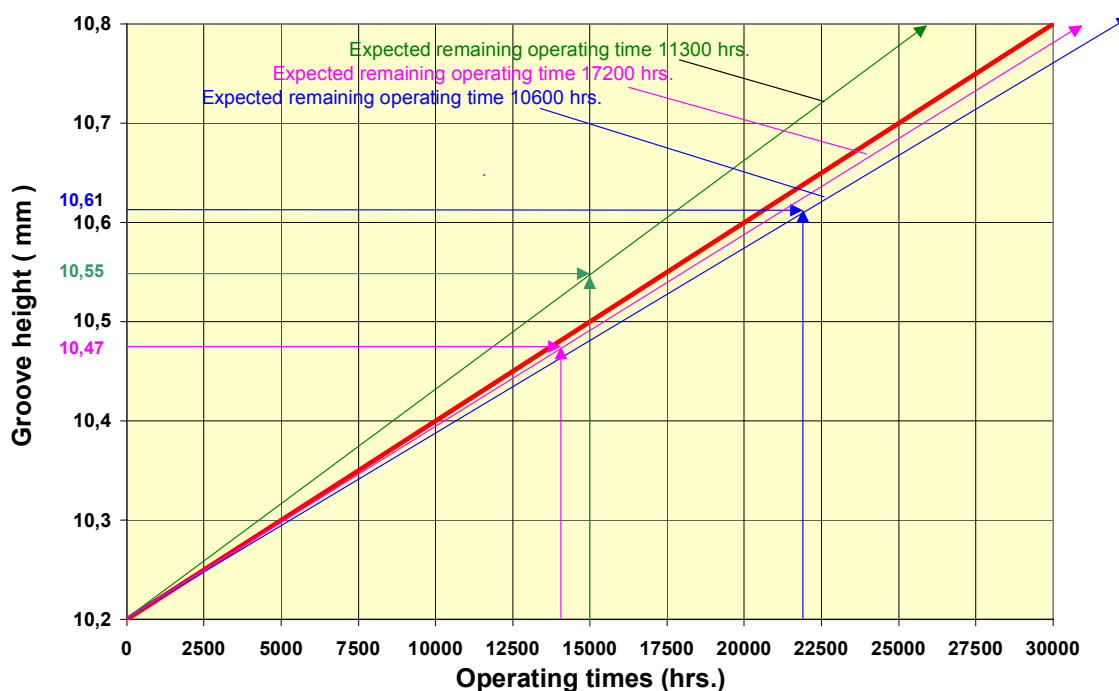
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Last year we sent you information on ring groove wear and piston burn (Service Information No. 07/04).

In the meantime we have received much information about ring groove wear from the field, which confirmed that the reasons for increasing the wear limit to the new value of 10.8 mm are still of broad-based validity.

At an operating time of 15,000 hrs. ring groove heights of 10.5 mm were measured on average.

For your information we have provided below a chart that contains values of different engines and allows you to determine the expected remaining operating time of your piston crowns.



Only if checks should reveal values that are above the thick red line it has to be assumed that the wear limit will be reached prior to completing a piston crown operating time of 30,000 hrs.

**We would like to take these results as an occasion to point out that the piston crowns only have to be replaced upon reaching the wear limit of 10.8 mm, irrespective of the operating time actually reached.**