

92/4  
**All types**

## **Chroming of Crankshaft Pins and Journals**

In connection with repairs in the field of crankshafts and their bearing surfaces; we receive increasingly the question as to whether lightly damaged crankshaft pins and journals can be salvaged by the process of hard-chroming the surface to obtain the original dimensions once more.

However the opinion of the Classification Societies in this respect is that the restoration of the crankshaft pins and journals by a process of hard-chroming to the original dimensions does not produce the same quality of finish. According to their knowledge today there have been repeated damages throughout the world-wide fleet where hard chrome treated pins and journals have developed flaws, resulting in consequential damages in many cases, of serious nature.

We as Krupp MaK the engine manufacturer, must emphasise to our customers, not ultimately because of the high costs of such damages, that such a repair procedure **cannot be recommended**.

Because of the associated risks for the ship's safety have yet to be assessed up to now, **the Classification Societies** have decided that the repair procedure on crankshaft pins and journals by hard chroming **is not authorized**.