

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

Feuer Powertrain GmbH & Co. KG
Nordhausen, Germany

is an approved manufacturer of
Manufacture of heat treated products - Heat treatment workshop

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Heat treatment	Induction hardening of forged crankshaft blanks
Dimensions	Max. length: 1500 mm Max. weight: 300 kg 3 to 12 Cylinders (Vee & Line)
Remarks	Including final machining, NDT testing and final dimension checking

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules. Materials to be applied to DNV GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2017-06-22**

for **DNV GL**

This Certificate is valid until **2020-06-30**.

DNV GL local station: **Magdeburg**

Approval Engineer: **Stefan Röhr**

Thorsten Lohmann
Head of Section

