



Certificate No : MD00/1067/0009/3

ELLWOOD NATIONAL CRANKSHAFT
One Front Street
Irvine, PA 16329
United States of America

MATERIALS QUALITY SCHEME APPROVED
MQS 043

has been approved as a manufacturer in accordance with the requirements of Lloyd's Register for :-

Forgings in carbon, carbon-manganese and alloy steel
(maximum weight 7 tonnes)

Approval also includes Ellwood Crankshaft and Machine Co. 2727 Freedland Road, Hermitage, PA. USA

This approval is subject to compliance with the Rules for the Manufacture, Testing and Certification of Materials.

Lloyd's Register is to be notified of any change that may affect the validity of this Certificate.

This Certificate is issued to the above manufacturer and is valid until the date given below.

Valid Until : 07 June 2014
Date of Issue : 04 August 2011

A handwritten signature in blue ink that reads "Clive D S Tuck". The signature is written in a cursive style and is positioned above a horizontal line.

Clive D S Tuck

Senior Metallurgical Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register Group