

IN-PLACE MACHINING COMPANY

Lloyd's Register Engine Repair Certification



Certificate No: MNDE/REP/0047/02

In-Place Machining Company
3811 North Holton Street
Milwaukee
Wisconsin 53212
United States of America

has been approved in accordance with the requirements of Lloyd's Register for the "in-situ" repair of the following specified engine components:

1. Refurbishment of crankshaft main journals and crankpin journals.
2. Peen straightening of bent crankshafts.
3. Annealing of crankshaft hard spots found during inspection (applies to normalised crankshafts only).
4. Line boring main bearing pockets.
5. Boring and sleeving cylinder upper and lower liner seal surfaces.

Before any repair is undertaken, Lloyd's Register is to be informed and their agreement obtained.

Refurbishment of crankshafts is restricted to "soft" shafts, i.e. those which have not been surface hardened by flame or induction hardening or nitriding.

Repairs are to be undertaken only with the owner's and original equipment manufacturer's (OEM) approval and to OEM tolerances.

This approval is subject to compliance with the requirements of Lloyds Register. Each repair must be undertaken to a written repair procedure that has been accepted by the attending Surveyor. All work is to be completed by fully trained and authorised personnel to the Surveyor's satisfaction.

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

Valid until: 9 June 2011
Date of issue: 2 July 2008

C D Waylen
Lead Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register Group

Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



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IN-PLACE... ANY PLACE
IN THE WORLD

