



Slinden Services Ltd

Cast Iron Welding & Metal Stitching Repairs

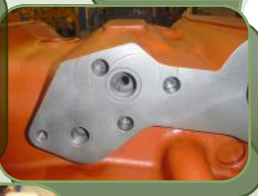
MAK 6M43C Cylinder Head



We were contacted by the owners of an Italian merchant vessel operating in European waters to overhaul one of its cylinder heads. It had suffered valve failure either through fatigue or old age, causing extensive damage to the injector, all valve seats and the air start. We organised collection of the head whilst the ship was in port in the South of France for transportation to our Derbyshire workshop where we carried out a complete overhaul.



After an initial inspection, all old and damaged valves and guides were removed, including valve seat inserts, injector tube, and air start assembly.



Damaged areas were then ground back to remove all cracks and subsequently welded following our Lloyds approved fusion welding procedures for cast iron, to all damaged areas including welding of all 4 valve insert pockets. This area was then machined back to standard dimensions and spares fitted. Pressure testing to 10 bar ensured satisfactory repairs had been undertaken. Thorough cleaning followed, before grinding and lapping of new valve seat valves, and fitting and lapping of the air start valve.



After final inspection, the head was painted as required, before liaising with the operators as to where and when we would need to meet the ship with the head.



For any Marine repairs contact us for a survey/quote.

- Full Pressure Testing
- Full Crack Detection
- Fixed Cost Repairs
- Lloyds Welding Procedures
- Machining Facilities
- Fitting of Spares
- Classification Certificates
- 12 Months Guarantee

*Breathing new life into
damaged cast iron components*

L3 Olympic House, Westminster Industrial Estate, Measham, Derbyshire, DE12 7DS

Telephone: +44 (0) 1530 274646

Email: info@slinden.co.uk