



EMC

Elite Engineering Services

EMC Elite Engineering Services Ltd.

Hanson Civil Marine Ltd

Bearing replacement, shaft alignment and motor health check



“Due to high vibration EMC successfully completed an in-situ fan shaft bearing replacement, laser alignment and motor health check, within a 4 day window.

Challenges

- In-situ bearings and housing replacement to ensure accurate alignment.

Services Provided

- Electrical
- Mechanical

SUMMARY:

Clients required a bearing & housing replacement due to high vibrations potentially risking production. The requirement was to move the high voltage motor, allowing bearing replacement and alignment, re-couple motor to fan and test electrically before returning to service.

SOLUTIONS:

Once bearings were correctly measured and replaced as a part of EMC quality assurance, we conducted a laser alignment and returned the equipment to service.

BENEFITS:

Laser alignment allows accurate alignments, providing clients with data and assurances before commissioning & returning to service.

VALUE / TIME FRAME:

- £10K / 4 day

REFERENCE:

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