



Job Sheet Job No. 37

C4510 - Eraring Boiler Overhauls

Unit 4 Major Outage March 2005

Job Detail

FD Fans General

The Contractor shall open the FD Fan access doors.

This includes suction and discharge side of the impeller and the dead space tunnel access door.

Survey

The Contractor shall carry out hub repairs to the FD Fan as per Fan Hub Overhaul Job Module A10M01.

On the 4A Fan, the old blades are to be re-used (DO NOT REMOVE BLADES FROM STUB SHAFTS).

On the 4B Fan, fit new free issued fan blades and install free issued blade retaining screws. The screws shall be tensioned to 41Nm. Old blades to be bundled and returned to the Principal's store.

The Contractor shall steam clean the FD Fan power oil unit cabinet externally.
The Contractor shall arrange for the Principal to inspect the cabinet after steam cleaning.
The Contractor shall paint the cabinet to the Pacific Power Standard, after the Principal's inspection..

The Contractor shall on completion of the hub overhaul, stroke the blades using the power oil system and confirm the lift point on the power oil system relief valve.
The correct setting is 6MPa.

The Contractor shall adjust or replace the relief valve if found defective as directed by the Principal under the Schedule of Rates provisions of the Contract.

The Contractor shall provide suitable access for the Principal to inspect the internals.

The Contractor shall provide access for the Principal's technician into the bearing cartridge assembly to check temperature and vibration instrumentation.

The Contractor shall erect a scaffold around the FD Fan air outlet joint and remove lagging to allow inspection of the joint. The Contractor shall survey and report on the condition of the joint. The Contractor shall re-instate the lagging following the inspection and the completion of any remedial work (if required).

The Contractor shall test run and commission the FD Fan with a representative of the Principal in attendance.

Supervisor: Mario DeJongh

Client Ref: 1-3.10.8

Portion: 10

SWMS for this Job: 123-07

Special Equipment and Material

Client Supply:

Blade retaining screws Hub overhaul components: pitch bearings
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blade shaft bushes thrust blocks hydraulic cylinder? Rotary union?

Estimated Cost: This job is a LUMP SUM job