

Hydraulic Support Services

STENMAR Group

Hydraulic Upgrade



Project: Turn key relocation and upgrade of a 3000 tonne hydraulic vulcanizing press.

The press was to be removed, upgraded, relocated and then recommissioned at the new site. Every hydraulic and mechanical component was to be either overhauled or replaced with new.

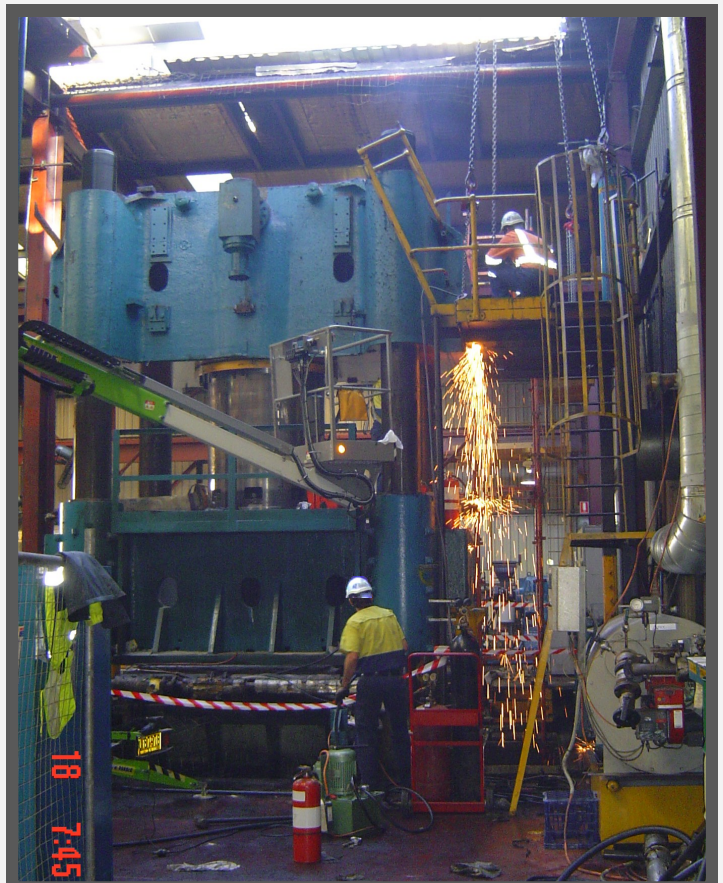
Stenmar Group took up the challenge. The physical size of the press meant much of the work had to be done at height. Careful planning and safe work practice were paramount. Lifting gear and elevating work platforms were used extensively.

The project included dismantling the press and dis-

connection of the electrical equipment. The 3000 litre reservoir had to be emptied, cleaned, repainted and re-sealed. Special tools had to be manufactured. The eight nuts on the corner posts each weighed 300 kg and were difficult to remove after many years without being disturbed. All pumps, valves, tubework and hoses were carefully removed, tagged and notated. Every hydraulic and mechanical component was either overhauled or replaced.

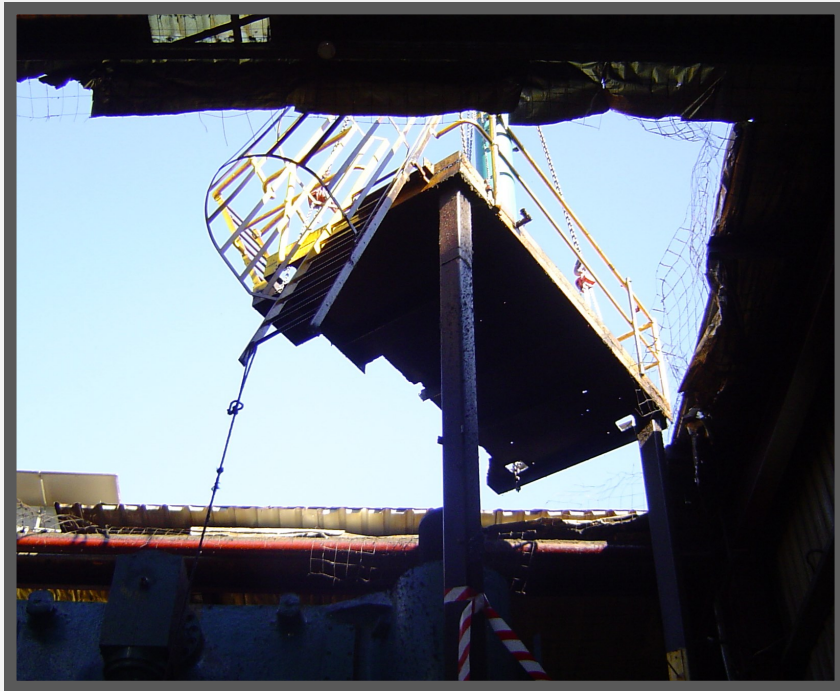
The main press body was lifted through the roof of the building using a 300 tonne crane. The position of the press was close to a main structural support beam so there was very little margin for error.

The 1828 mm diameter ram rod was sent for resurfacing and new rod bush assemblies were manufactured by Stenmar's Precise Machining Services.



The various other cylinders were dismantled and completely overhauled in the Stenmar workshop. All wiring and cabling was renewed and a new electrical control panel built.

The project went according to plan and the press was successfully re-assembled and re-commissioned at it's new location within the allotted timeframe. Since undergoing the upgrade, the press has improved in efficiency and been ultra-reliable.



The main press body was lifted through the roof of the building using a 300 tonne crane before being reconditioned, repositioned and recommissioned.



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Hydraulic Support Services
Specialist Hydraulic Services

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