



Donic Independent Engineering Services
Unit 3/14 Ardmillan Road
Moonee Ponds VIC 3039
(ABN 63 257 734 370)
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24 April 2023

CERTIFICATE OF INSPECTION AND TESTING OF "TRUCK MOUNTED CRANE"
MAJOR INSPECTION / ASSESSMENT

Type of Crane:	Palfinger Vehicle Loading Crane	Certificate No:	23 / 244 / 1
Crane Manufacturer:	Palfinger Pty Ltd	Crane Model:	PK14002 EH
Crane Serial No:	100158060	Gippsland NDT Services Report No:	GNDT23-0481(ET)
Road Reg No:	247 TPX	Year of manufacture:	2013

Owner's name:	Switchboard Tranz
Address:	[REDACTED]
Final inspection date:	24 April 2023
Name of competent person:	Donald Charles Nicholls
Address of competent person:	3/14 Ardmillan Road, Moonee Ponds, Vic, 3039

Qualifications of Competent Person

Professional engineering qualification, membership of professional organisation and 40 years' crane industry experience.

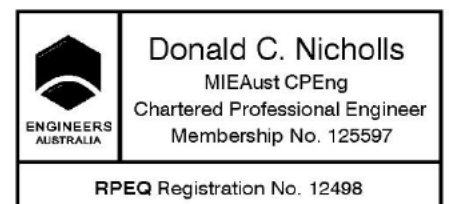
Competent Person Statement

I hereby state that the above Crane serial number **100158060** has received its major structural safety inspection in accordance with the recommendation of the manufacturer and with relevant Australian Standards and is safe for use provided it is operated and maintained in accordance with the manufacturer's recommendations, Australian Standards AS 2550.1 &11 and the current QLD Codes of Practice.

The Crane shall be submitted for its next third-party annual inspection at one (1) year (4 / 2024) and its next major inspection / assessment after a period of five (5) years (4 / 2028).

Competent person signature:

D.C. Nicholls C.P. Eng



Donic Independent Engineering Services will not accept any responsibility for the mechanical condition of the Crane beyond the date indicating the time the Crane conformed to the checklist. Maintenance records must be maintained by the client beyond this date. Please note, the level of further inspections will be dependent upon the level of maintenance records produced by the owner of the Crane. (Donic Ref D3561).



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24 April 2023

Mr. Jason Flynn
Switchboard Tranz

Dear Jason,

**Re: Engineers Report for Palfinger Truck Mounted Vehicle Loading Crane
Model PK14002 EH S/N 100158060 Manufactured 2013
and owned by Switchboard Tranz**

General

This is a major inspection report on this unit.

This unit is mounted on Truck Chassis QLD Registration No. 247 TPX and is subject to inspection to AS 2550.11 requirements.

Visual Inspection

The unit was in an assembled condition at the Camira, QLD facility and was accessible for inspection.

Visually the unit was in good condition and apart from a touchup / repaint to prevent corrosion to steel structure and carry out minor repairs as detailed and discussed.

The unit was functionally tested and found to have all safety items operating.

This unit has only had a low number of operating hours during its working life (1,483 hours) and the unit has had one owner and been regularly serviced in accordance with manufacturer's instructions and Australian Standards AS2550.

No new replacement parts and no minor repairs have been carried out during the life of the side loading crane.

Logbooks are carried and filled in by trained operators.



Non-Destructive Testing

All high stress welds associated with structural components and main frame were checked and found to have no unacceptable defects.

Refer to NDT separate report by Gippsland NDT Services report No's: GNNT23-0481 (ET).

Testing

The assembled truck crane unit was tested to AS 2550.11 requirements and found to be satisfactory.

Summary

Based on the information provided in relation to the actual loads Vs Design loads and the actual loading frequencies Vs Design frequencies this crane when assessed to AS1418 criteria falls into the C3/M3/ S3 category. The light and moderate load means fatigue aspects are minimal and the crane life can be safely extended for a further 5 years before reassessment by a competent person. During this period, it is expected that the truck crane will continue to be operated safely in accordance with AS2550 and manufacturer's requirements and be routinely serviced by experienced personnel.

From the information provided on this crane the Australian Standard AS2550-1&11 Crane Safe use recommends that routine maintenance be carried out at 3 monthly intervals with an annual periodical inspection.

RECOMMENDED MAXIMUM PERIOD BETWEEN MAINTENANCE / INSPECTION SERVICES AS PER AS2550.1.2011

Crane classifications	C1	C2	C3	C4	C5	C6	C7	C8
	M1	M2	M3	M4	M5	M6	M7	M8
Working hours per day	≥ 0.5	0.5-1	> 1-2	> 2-4	> 4-8	> 8-16	> 16	> 20
Routine maintenance service weeks	12	12	12	12	8	8	4	4
Periodic third-party inspection. weeks	52	52	52	52	52	52	52	52

NOTE: Period may be varied dependent on the operating environment, the frequency and intensity of use.

The above truck vehicle loading crane unit is considered satisfactory for continued use to manufacturer's specifications, AS2550 and current QLD Codes of Practice, safe use until 4 / 2028, the next major inspection / assessment.

Records going forward are to be continued to be maintained of all maintenance repairs and replacement parts to enable this information to be used and assessed in the next major inspection in 2028.

AS2550.1 & 11 provides more details and guidance in relation to inspection periods and records required.

Yours faithfully

D.C. Nicholls C.P. Eng

