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3 August 2022

Mr. AL Campbell NCS Solutions Pty Ltd 19 Whiterocks Road Kelso NSW 2795

Dear Al.

Re: Engineers Report on Franna AT20 Mobile Crane S/N AT20-3826 owned by BEAC Soul Trader P/L – Manufactured 2007, Plant Reg No: TBA Roads Reg No: TBA

General

This is a major inspection report on this Mobile Crane in accordance with Australian Standards AS1418.5 and AS2550.5 to assess the operation, maintenance and repair of this item of equipment and its suitability for continued operation under the existing conditions and loadings.

This Mobile Crane is required to be an item of Registered Plant as is required by Workplace Standards NSW and their OHS Act and regulations and it is required to be kept and operated in a safe manner to reduce the likelihood of a serious accident occurring.

Visual Inspection

The above unit was inspected on site at the Kelso NSW facility in accordance with AS2550.5 Safe use by competent personnel and a detailed inspected list of components and the assessment of each is included in attached report.

Routine Maintenance Inspection

The maintenance of this mobile crane unit as considered necessary has been carried out by BEAC Soul Trader P/L and subcontractors, all critical items were inspected and replaced where considered necessary.

Load Charts

These have been checked for compliance with Australian Standard AS1418.1 & 5 requirements.

Non-Destructive Testing:

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

Refer separate ESANDT NDT report No's ET6482 - BST18 & UT4744 - BST18.

Operational Testing:

The Mobile crane unit was operationally tested after reassembly to AS 2550.5 requirements and found to be satisfactory.

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Load Testing

As part of the major inspection, selected load testing is to be carried out in accordance with relevant AS Code procedures:

- (a) At maximum working radius a SWL test followed by 10% overload static load test.
- (b) At maximum line pull at SWL test followed by 10% overload static load test.

This testing verifies the following:

- Verifies that the crane complies with manufacturer's specification.
- Operation and accuracy of load measuring devices.
- Operation of load warning and limiting devices.
- That the breaking systems are operating satisfactorily.
- That all other devices are operating satisfactorily over the working range.
- Overall stability of Mobile Crane unit.

Summary:

Based on the information provided in relation to the actual crane 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 loads means fatigue aspects are minimal and 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 crane will continue to be operated safely in accordance with AS2550 and manufacturers requirements and be routinely serviced by experienced personnel.

From the information provided on this crane the Australian Standard AS2550-5 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	МЗ	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.

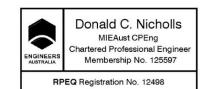
The above Mobile crane is considered satisfactory for continued use to manufactures specifications and AS 2550. 1 & 5 safe use until 8 / 2027 the next major inspection / assessment.

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 2027.

AS2550.1 & 5 provides more details and guidance in relation to inspection periods and records required.

Yours faithfully

D.C. Nicholls C.P. Eng



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