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February 2, 2012

Mr Anthony Heeks
General Manager
PACE Cranes.
5-7 Lorraine St
Peakhurst NSW 2210

Dear Anthony,

**Re : MAEDA MC405C-5 CRAWLER TELESCOPIC CRANE
DESIGN VERIFICATION REPORT TO AS1418.5-2002****SCOPE**

The attached design verification report assesses both stability and structural aspects of the design of the subject machine for the purposes of its design registration in Australia as a mobile crane.

METHOD

- Stability has been assessed for conformity with the requirements of **AS1418.5-2002** by calculations based on main boom stationary loading to Load Chart **104-3280001**; pick & carry loading to Load Chart **104-4569800**, & jib loading to Load Chart **104-3300200**.
- Boom & jib strength has been assessed for conformity with **AS1418.5-2002 & AS3990-1993** by calculations also based on loading to the above Load Charts.
- All calculations, both stability & structural, used input data supplied by Maeda.

RESULTS

- Stability calculations show that all load ratings on the load chart are compliant with the relevant requirements of **AS1418.5-2002**.
- Boom & jib stress calculations indicate that the structural competence of all boom & jib sections complies fully with **AS1418.5-2002 & AS3990-1993** for all load ratings on the load charts.

CONCLUSIONS

The assessments show that the **Maeda MC405C-5** crawler telescopic crane, although designed to foreign Standards, provides a level of safety at least equivalent to that required by **AS1418.5-2002 & AS3990-1993** when loaded in accordance with Load Charts **104-3280001, 104-4569800 & 104-3300200**.

Yours faithfully,



John Savage BE, MIEAust, CPEng (Independent Design Verifier)