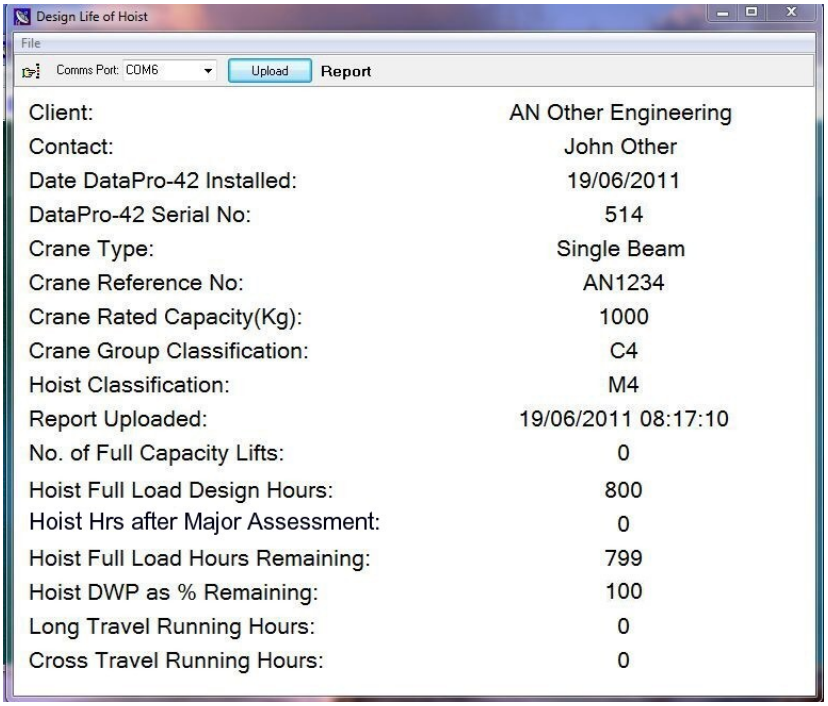
The DataPro-42 and DataPro-42+
Hoist Design Working Period Utilisation Recorder

If you own or operate a wire hoist that is seven calendar years old (or older), AS 2550.1-2011 recommends that you undertake a Major Assessment, which must include an engineering calculation of the remaining design life of the relevant hoist. If you have not undertaken the Major Assessment before the hoist has reached ten calendar years old then you are required to conduct a Major Inspection, which will involve overhauling or replacing the hoist. During the Major Assessment, accurate hoist utilisation records must be made available; failure to provide these records could mean that the remaining life of the hoist may be reduced by a substantial penalty factor.

The only method or providing accurate utilisation reports is electronically. The DataPro-42 constantly calculates the real time utilisation, and produces a concise and easy to read report which will clearly show the usage of the hoist.



By installing the DataPro-42, the problem with record keeping is overcome since accurate utilisation records will be available from the date the hoist was placed into service. Fitting a DataPro-42 is a cost effective solution because it will provide evidence that the hoist has been operating within the original design life, thereby negating the need for an expensive Major Assessment to be conducted after seven calendar years, as recommended in AS2550.1-2011. Although the hoist utilisation can be proven, consideration should also be given to other factors including (but not limited to) corrosion, condition of the electrical wiring and the standard of maintenance carried out over the life of the hoist.

How Does it work

The DataPro-42 requires two sources of information to calculate the hoist Design Working Period — one is the weight of the load and the other is the time that the hoist has been running. Collecting this information requires a load cell to determine the weight picked up by the hoist and auxiliary contacts on the hoist contactors or a relay to measure the time the hoist has been running. This information is then fed into the on-board processor and, by using a sophisticated algorithm, the hoist Design Working Period can be computed.

Specification

- IP-65 poly carbon enclosure
- Wireless communications for initial calibration and downloading plain text utilisation report
- Ten years utilisation storage using on board Micro SD card + Additional Micro SD card for backup.
- One input — Used for hoist DWP recording.
- One input — Future Function
- Two inputs — Used for cross/long travel DWP recording.
- Two outputs — Recommended for Overload Protection/Alarms
- Variable input voltage — 16-48 Vac
- Operating Temperatures: Minimum: - 15° C – Maximum: + 70° C
- The on- board RS232 ensures an easy connection to our optional load display.
- Option to upgrade **DataPro-42** to the **+** model which can then be setup to for emailed utilisation reports.

Functionality Schematic

Information in this brochure is subject to change without notice.

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