

Category: Recommended to improve condition monitoring of crankcase oil on Bodymakers.

Benefits to Customers:

- Additional monitoring aid for oil humidity parameters.
- Improves oil condition to increase longevity of machine parts, resulting in reduced machine downtime.
- Alerts operators when maintenance is required and removes the need for preventative maintenance.

Summary: CarnaudMetalbox Engineering Ltd are recommending a new oil humidity sensor (see Figure 1) for use with the Hydrolube unit. The sensor returns humidity readings to the HMI display, which enables a relative humidity reading of hydraulic and lubrication oils, and alerts the operator when the humidity of the oil surpasses a set value, typically 80% (see Figure 2). This is damaging because the presence of free water deteriorates the oil and its lubrication properties. The sensor allows for efficient maintenance of the 5000 Bodymaker by indicating when the ram seal pack or push rod seals require maintenance, and optimises the use of water removal devices. The sensor can be retrofitted to all Hydrolube units currently in service.

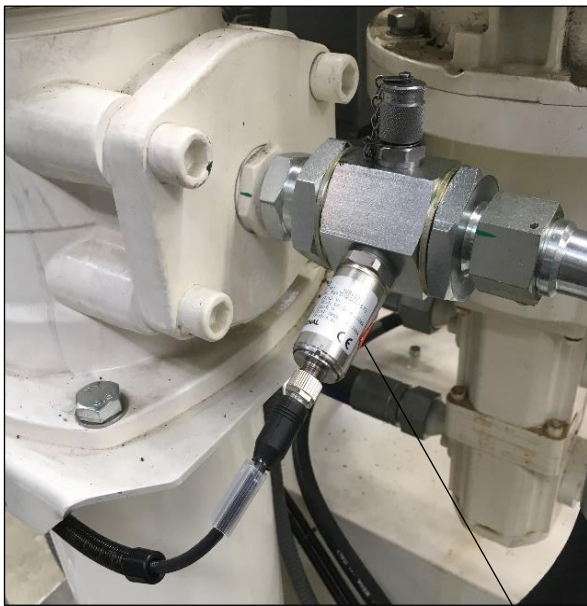


Figure 1

Oil Humidity Sensor

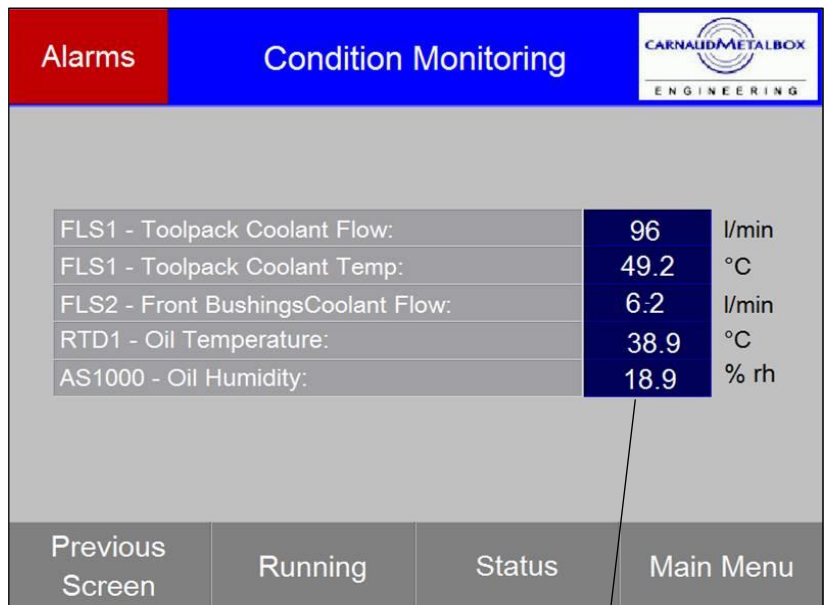


Figure 2

Current humidity percentage displayed on the HMI

NOTE: For the best results it is recommended that this sensor is used in conjunction with a desorber unit, or similar device.

For further information regarding this Technical Bulletin, please contact either of the contacts below quoting Technical Bulletin number **TB5000-083** and your machine Serial Number. A complete library of Technical Bulletins is available on the company web site.

www.carnaudmetalboxengineering.co.uk

