OMERUS®
Tool for measuring hard deposit coating thickness using ultrasound
CARRYING OUT THE MEASUREMENT
Ultrasonic Non-Destructive testing

The operator follows the sealing seat with a specific probe (3 minutes).

The system displays the different coating layers of the hard deposit (STELLITE 6.6, NOREM 02) in real-time.

The tool records the scrolling Scan and is used to measure the different coating thicknesses.

Back-diffusion principle for ultrasonic waves on multi-layer coating, with different speeds.

Advantages
- Accuracy < 0.1 mm
- Repeatability, reliability
- Quick implementation
- Clear differentiation of layers
- Automatic report issued

SCROLLING SCAN
« Ultrasound scanning »

THE SEALING SEAT

Remaining thickness of the 2nd layer

Remaining thickness of the 1st layer

Dilution Zone

Measured thickness of the hard layers, in mm

BASE METAL

VELAN
90 rue Challemel Lacour - F69637 LYON Cedex 7 - France
Tél. : +33(0)4 78 61 67 00 - Fax : +33(0)4 78 72 12 18 - velan.sa@velan.fr

www.velan.com

FLY-OMERUS-03-19