Cylinder Manufacturer Policy on Eddy Current Testing

Catalina

"All cylinders manufactured by Catalina Cylinders have been, and are being, manufactured from aluminum alloy 6061, never aluminum alloy 6351.

Eddy current inspection of 6061 aluminum alloy cylinders at the time of the 5 year hydrostatic retest or annual visual inspection in the case of SCUBA cylinders is not required by the U.S. Department of Transportation (DOT) or the Canadian agency Transport Canada (TC).

Catalina Cylinders does not require eddy current inspection of the threads of their 6061 aluminum alloy cylinders."

Luxfer

"Luxfer does not require or recommend eddy-current testing of Luxfer scuba cylinders made from aluminum alloy 6061

Luxfer Gas Cylinders has received questions from cylinder inspectors and users about whether it is necessary to use eddy-current devices to test Luxfer scuba cylinders made from aluminum alloy 6061 (AA6061).

Eddy-current testing is used to detect sustained-load cracking (SLC) in aluminum alloy cylinders. The majority of Luxfer aluminum alloy cylinders in service today are made from Luxfer AA6061 alloy, which is not susceptible to SLC.

For all scuba cylinders made from Luxfer AA6061, the Luxfer manufacturer's requirement is that cylinders conform to regulatory requirements for periodic inspection and testing in the countries in which cylinders are being used. **Luxfer does not require or recommend eddy-current testing of these AA6061 cylinders."**

Metal Impact

Metal impact only uses Aluminum Alloy 6061 for cylinder production. AA6061 is not susceptible to sustained load cracking. Metal Impact follows regulations contained in Code of Federal Regulations which does not require eddy current testing for AA6061 cylinders.

Metal Impact Cylinders should be tested and inspected using current regulations in the countries where they are being used.

For any specific questions on Metal Impact Cylinders please contact Metal Impact Customer service

www.metalimpact.com or call 847-718-9300.