

# **DAMN RIGHT!**

## **WE EDDY CURRENT TEST OUR PIPE.**



### **A TEST OF STRENGTH**

Your A106 pipe needs to stand strong. Don't settle for a simple leak test when you can rely on the Eddy Current Test. It tests the integrity of the pipe in ways a hydro test cannot.

### **WHAT IS EDDY CURRENT TESTING?**

Tried, true and reliable, Eddy Current Testing has been performed since World War II, and it's still the go-to testing method for A106 pressure pipe. This nondestructive testing technique deftly detects imperfections using electromagnetic induction and tests for cracking, corrosion, pitting and thinning.

### **WHY EDDY CURRENT?**

It's fairly simple. Eddy Current Testing is the gold standard for ensuring pressure pipe will perform as it was intended. This testing method is:

- Sensitive to both surface and subsurface imperfections
- Capable of detecting imperfections through multilayered structures
- Able to detect through thin non-conductive surface coating
- Comprehensive, and conducted full-body 360 degrees around the pipe
- Conducted with very little pre-cleaning
- Nondestructive and reliable
- 4-8 times more sensitive than hydro



## SAY NO TO HYDRO.

The antiquated hydrostatic pressure test is designed to uncover leaks in pressure vessels. That's simply not enough to thoroughly measure the integrity and strength of your pressure pipe. Pipelines, plumbing, gas cylinders, boilers and fuel tanks need pipe that has been through comprehensive, nondestructive testing to ensure it's strong, safe and reliable. Although there have been zero hydro failures at MST, your pipe products still require the rigorous testing that just can't be done with hydro. Your pipe products – and your reputation – require Eddy Testing.

Pipe Size	Actual Diameter	Nominal Wall Thickness	Defect Depth to cause hydrostatic failure* A106 hydro pressure at 2500 psi			Standard Eddy Current Notch Depths*
			Grade A	Grade B	Grade C	
1/2	0.840	0.109	0.074	0.079	0.083	0.011
1/2	0.840	0.147	0.112	0.117	0.121	0.015
3/4	1.050	0.113	0.069	0.076	0.080	0.012
3/4	1.050	0.154	0.110	0.117	0.121	0.016
1	1.315	0.133	0.078	0.086	0.092	0.014
1	1.315	0.179	0.124	0.132	0.138	0.018
1-1/4	1.660	0.140	0.071	0.081	0.088	0.014
1-1/4	1.660	0.191	0.122	0.132	0.139	0.019
1-1/2	1.900	0.145	0.066	0.077	0.086	0.015
1-1/2	1.900	0.200	0.121	0.132	0.141	0.02
2	2.375	0.154	0.055	0.069	0.080	0.016
2	2.375	0.218	0.119	0.133	0.144	0.02

\*Based on nominal wall thickness.

**Quick turnaround • Expedited deliveries • Custom lengths • 100% melted and manufactured in the USA**



[www.mstube.com](http://www.mstube.com)

**Questions about Eddy Current Testing or our pressure pipe products? We've got answers.**  
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