



# Material Verification by MMT

*"People-Focused, Trust-Driven, Reliability-Guaranteed – That's JANX."*

## MMT's HSD Tester

- Hardness, Strength, Ductility
- YS (Yield Strength)
- UTS (Ultimate Tensile Strength)
- API 5L Tensile Grade
- Seam Weld Classification
- Seam Weld Toughness
  - CVN (Charpy V-Notch)
- Pipe Grade Verification

## Data Analysis & Reporting

- Meets/Exceeds TVC Requirements
- Instant Reporting Capabilities
  - ~10hrs from sample upload
- MMT Connect – HSD Test Reports
- Steel Microstructure Grain Size
- Sample Images & Testing Reports

## Why choose JANX?

Choose JANX for your MMT HSD tool needs and experience unparalleled precision and reliability. MMT's frictional sliding technology, combined with superior data transfer, analytics, and reporting capabilities, ensures fast and accurate results, meeting TVC requirements.

MMT sets future standards by going beyond current regulations. MMT's HSD instrument uploads data to MMTConnect™, where it is processed and analyzed by experts, ensuring top-tier compliance and helping clients achieve sustainability goals. The MIT-grade HSD tester collects eight times more data points and is vibration-resistant, preventing data degradation and test failures.

Trust JANX to deliver cost-effective, compliant solutions with strategic alliances and technology. Elevate your operations with JANX, and MMT's cutting-edge tools.



### HSD TESTING REPORT

The HSD Testing Report provides nondestructive results using the Hardness, Strength, & Ductility (HSD) process that is performed in compliance with Title 49 CFR §192.607.

This report from HSD testing provides timely strength verification based on an automated review of HSD tester measurements and seam characteristics and is generated upon upload of the HSD testing data to the MMT server. All data will be reviewed within 2 business days and a revised report will be provided only in the event the data reported here does not correctly reflect the measurements from the sample and results differ by more than 3.0 ksi. If no revised report is provided, the findings in this report are final and meet all data quality standards.

#### SAMPLE OVERVIEW

Operator: Energy Company	NDE Services: NDT Company	MMT Project ID: MMT24123
Sample ID: Sample 1A	GPS Coordinates: 12.345678, -87.654321	Testing Date: January 1, 2024
Qty ID: Qty 1	Line ID: Line AB	
Sample Type	OD (inches)	WT (inches)
10 inch Pipe Joint	10	0.200

Sample Information: The outer diameter (OD) and wall thickness (WT) are nominal values reported by the technician during field examination or through referencing information provided by the operator. These values will be compared to expected results when reviewed by the MMT reporting group.

#### MATERIAL VERIFICATION RESULTS SUMMARY

Seam Type	Measured NDE Strength		Conservative NDE Strength		Conservative API 5L Tensile Grade Determination	
	Yield (ksi)	UTS (ksi)	Yield (ksi)	UTS (ksi)	Yield	UTS
ENR	69.0	73.1	63.3	69.5	HSD	HSD

\*"N/A" indicates that the information was not available when the report was issued. Additional information is provided under the data checklist.



**For more information, follow the QR code or contact us at**  
**[www.janxndt.com](http://www.janxndt.com)**

