

**ENGINEERING PRODUCTS
FOR THE FUTURE**



**TUBE PRODUCTS OF INDIA
SHIRWAL**

41.20x36.40-ETL-PIT MARK ANALYSIS

10th-Oct-2024

SAMPLE DETAILS

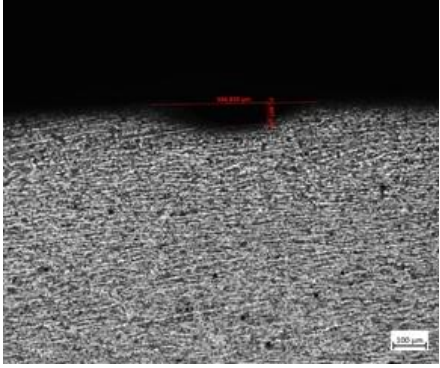
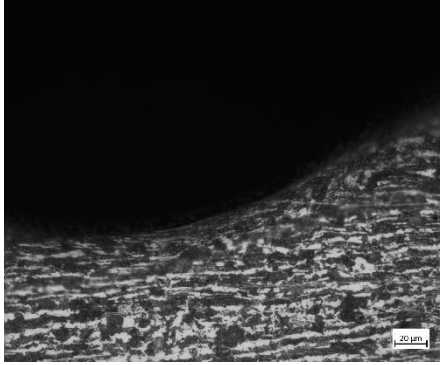

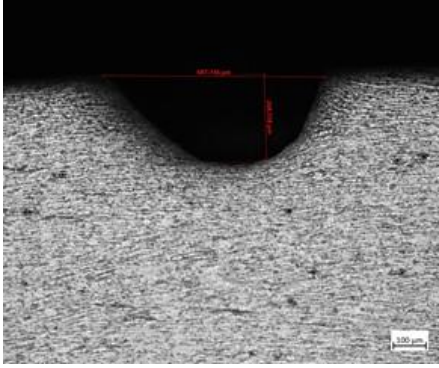
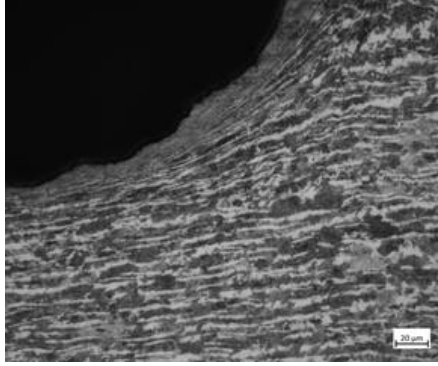

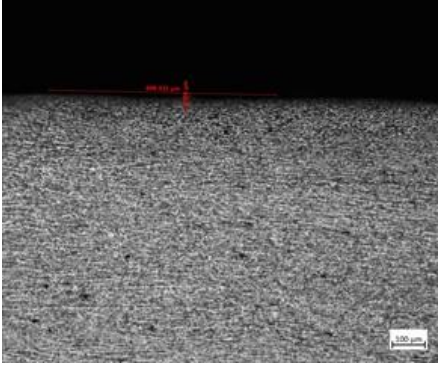
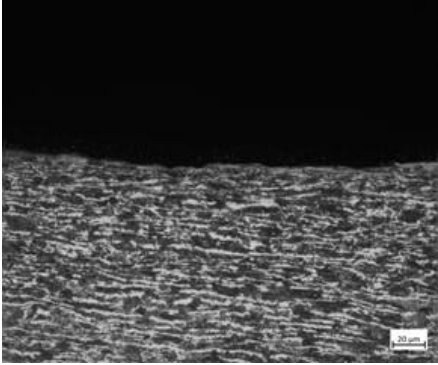
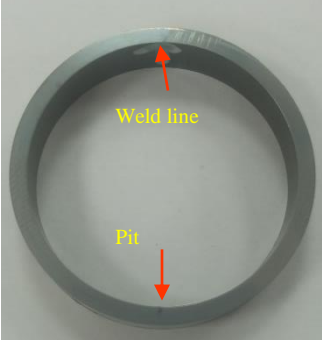
- **Customer :-** ETL
- **Size :-** 41.20x36.20 x557
- **Reason for analysis :-** Pit Mark
- **Date of sample received :-** 08th Oct 2024

SAMPLE PHOTOS



Observations:-

- 1) Pit marks observed to received samples.

Sample	Micro @Pit-100x	Micro @Pit-500x	Pit location from weld	Remarks
1				Flow lines below the defect Pit observed away from the weld Pit depth 0.071 mm Mechanical damage (Handling defect)
2				Flow lines below the defect Pit observed away from the weld Pit depth 0.268 mm Mechanical damage (Handling defect)
3				Flow lines below the defect Pit observed away from the weld Pit depth 0.016 mm Mechanical damage (Handling defect)

OBSERVATIONS

Sample	Defect description	Defect location	Probable cause
1	Flow lines below the defect Pit depth 0.071 mm	Away from the weld	Mechanical damage
2	Flow lines below the defect Pit depth 0.268 mm	Away from the weld	Mechanical damage
3	Flow lines below the defect Pit depth 0.016 mm	Away from the weld	Mechanical damage

Thank you !



Contact

Corporate Office:

Tube Investments of India Ltd.
 "Dare House", 234 N S C Bose Road,
 Chennai- 600 001, India.

☎ +91 44 42177770

📠 +91 44 42110404

✉ info@tii.murugappa.com