

Report #: A0674574_FireTube_MT_2024-03-15

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|----------------------|-------------|-------------------|-------------------------------|
| Client Job #: | N/A | CEL Job #: | 20240078 |
| Client: | CNRL | Location: | Surface: 01-20-39-07w5 |
| Date: | 15/Mar/2024 | UWI/DH: | |
| Region: | Alberta | Facility: | Plant |
| Area: | Ferrier | PO or WO | |

| Static Data | | | |
|------------------------|-------------------------|---|--|
| Equipment Name: | Oil Heater | MPI Inspection Procedure: | 26.43 Magnetic Particle Examination, MPE-001, Rev 04 |
| Equipment #: | | Acceptance Criteria & Specification: | ASME SEC. VIII DIV 1 APPENDIX 6 |
| Jurisdiction #: | A0674574 | MT Technique: | MT-1 Wet Visible |
| SN #: | 181048 | Material Type: | Carbon Steel |
| CRN #: | Y8483.2 | Material Thickness (in): | See previous MT/UT report |
| Manufacturer: | Fourstar Resources Inc. | | |
| Year Built: | 2018 | | |

| INSPECTION METHOD & EQUIPMENT | | | |
|--|---|--|--|
| Surface Preparation: | <input checked="" type="checkbox"/> Clean Base Metal | <input type="checkbox"/> As Grounded | <input type="checkbox"/> Machined |
| | <input type="checkbox"/> Sand Blasted | <input type="checkbox"/> Painted | <input type="checkbox"/> Other: |
| <input checked="" type="checkbox"/> Yoke | Serial# MP-6623 | Last Calibration: Beginning of Shift | Prod Spacing: 3-8 inches |
| <input checked="" type="checkbox"/> AC | <input type="checkbox"/> DC | <input checked="" type="checkbox"/> Continuous | <input type="checkbox"/> Residual |
| | <input type="checkbox"/> 12V | <input checked="" type="checkbox"/> 115V | <input type="checkbox"/> Other: |
| <input type="checkbox"/> Black Light | Serial #: 1964626 | Last Verified: | |
| <input type="checkbox"/> Light Meter | Serial #: 1964626 | Last Calibration: | Jan 30, 2024 |
| Weight Lift Test: | Serial #: 1878 | Weight: | 10 pounds <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| Medium Manufacture: | Magnaflux | <input checked="" type="checkbox"/> Black on White | <input type="checkbox"/> Fluorescent |
| | | <input type="checkbox"/> Dry | |
| Mag Particle Suspension: | 7HF Aerosol | Contrast Paint: | WCP-2 |
| MPI Particle Application Method: | <input type="checkbox"/> Powder Puffer | <input checked="" type="checkbox"/> Spray | Excess Particle Removed via Exhalation & / or flow |
| Light Source Info: | Parker Yoke Light Attachment (MPE) - LED - 15cm (6") - > 100 foot candles (1076 Lux) | | |
| Light Demonstration: | Acceptable as per Demonstration Letter referancing ASME Code Section V. Article 6, T676.3 and Article 7, T777.1 | | |

TEST RESULTS

A Black on White MT inspection was completed on 6 fire tube guset supports inbetween the fire tubes as shown below as requested by David Selinger. No rejectable indications noted at time of the inspection.



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|-------------------|------------------|-----------------------------------|---|
| Inspector: | Ben Piers | Certifications: | Fit for Service Based on Results: |
| Signature: | <i>Ben Piers</i> | SNT Level II MT; CGSB MTII #18240 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Repairs Required |

Reviewed: 2024-03-18 *Lyndon Copithorne ABPV:000768/510:53010*



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