

INSPECTION SERVICES AND ENGINEERING CERTIFICATION

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INSPECTION REPORT

| EQUIPMENT LOCATION: | Lloydminst | er, Alberta | NDT PROCEDURE#: | | | INSP-001 | | |
|-----------------------|---------------|--|-----------------|--------------|--------|----------|-----------|--------|
| EXAMINATION COVERAGE: | RANDOM: | 5% 10 | 7% 25 | % 50% | 75 | 75% 100% | | Х |
| ACCEPTANCE CRITERIA: | CSA W59 | ISO 9927-1 | | CAOEC RP | | OTHER: X | | Х |
| INSPECTION METHOD: | VT X UT | X MT WET FLOURESCENT X MT WET BLACK MT DRY | | | MT DRY | RED | | |
| EQUIPMENT INFO: | BLACK LIGHT N | AAKE - INOVA | LIGHT ME | ER # 1822158 | MA | G COIL # | # RC1-301 | 120121 |

| CLIENT: | K&S Power Tongs | UNIT/RIG: | KSV012 |
|------------|-----------------|----------------|------------------|
| EQUIPMENT: | Volant Tool | MAKE/MODEL: | Volant CRTi3-7.0 |
| REPORT#: | IDX-3175 | SERIAL NUMBER: | KSV012 |

EQUIPMENT PHOTOS



INSPECTION RESULTS

| ACCEPTABLE: X REJECTED: | DATE OF INSPECTION: | April 4, 2023 |
|--|---|---|
| TECHNICIAN: TECHNICIAN: LEVEL II M.P. 20826 O 1737 LOSO LOSO D LO | Cage- 82856 Upper Cam - 1023 Lower Cam - 1043 Cam Latch - 1023 Cam Int - 1023 Die- 8274 Die- 8274 Die- 8274 Die- 8274 Die- 8274 Die- 8274 Die- 8274 | 6-03-3J5031-09 6-3J6718-7 48-3J6700-06 38-3J5476-07 51-3J6522-03 49-3J5834-10 9-02-4473A12-04 9-02-4473A12-06 9-02-4473A12-06 9-02-4473A12-08 9-02-4473A12-09 |
| | REPAIRS: NA | |

QUALITY ASSURED INSPECTIONS FOR QUALITY ASSURED BUSINESSES

Except as provided herein, Index NDT Inspections Ltd. makes no warranty, express or implied with respect to the mechanical or other conditions of the equipment inspected by us. Index NDT inspections Ltd. shall only be responsible in the event of damage resulting directly from their inspection. and in no event, shall the liability of Index NDT inspections Ltd. exceed the cost of inspection. *Cur organization assumes andly the responsibility of locating defects in the inspected components and welds made accessible at the time of inspection. All equipment should be cleaned to allow access to all welds and critical components it is of the utmost importance that the unit's owner be aware that excessive coating over 10 mils can severaly mask the detection of discontinuities while utilizing standard inspection techniques. We are not

Certificate of Testing

Volant Oil Tools Inc. 4110 56 Avenue NW Edmonton AB T6B 3R8 anada

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info@volantproducts.ca www.volantproducts.ca



Load Testing

| | | Test Parameters |
|-------------------|----------|--------------------------|
| Target Test Load: | 960 kips | Minimum Hold Time: 300 s |

| | | | | Test | Summary | | | | | |
|-----------------|--------------------------------------|---------------|--------|-----------|---------------------|----------------|------------|-------------|------------|--------------------|
| Test Components | | | | | | Test Equipment | | | | |
| Part Number | Part Name | Serial Number | Passed | Procedure | Actual Test Load | Hold Time | Test ID | Test Date | Identifier | Calibration Due |
| 82306-03 | Mandrel,CRTi2- 7.0,320T,4.5IF,SR2 | 3J00005031-09 | Passed | 102870 | 963 kips | 379 s | L01-001412 | Oct 9, 2019 | VLF-01 | Mar 11, 2020 |

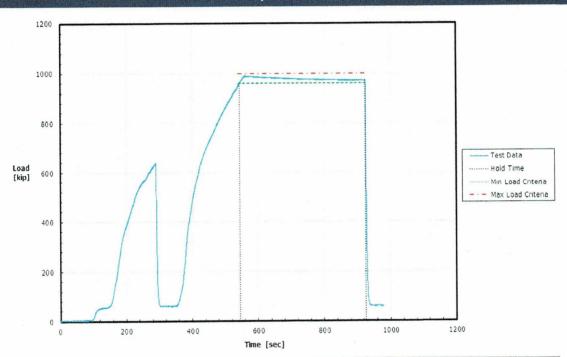
Test Approved By:

Steven Hargreaves

Test Approved On:

Tuesday, October 15, 2019

Test Graph for L01-001412



DELAYED USE

Date of 1st Use:

Job #: Signed By:

This is to certify that the equipment listed was tested in accordance with the referenced Procedure(s) to meet the Proof testing requirements of API-8C, 5th Edition

Signed:

Steven Hargreaves,

Manager, Quality Assurance,

Volant Oil Tools Inc.

Date:

Jun 16, 2021

ISO 9001 Quality

QA-F021 - REV. 2 - Nov 30, 2020

Approved by: Steven Hargreaves

Page 2 of 2

NORTECH ADVANCED NDT

7108 - 8th Street NW
Edmonton, AB T6P 1V1
Ph: 780-449-5013 Fx: 780-449-5036
www.nortechadvanced.com

MAGNETIC PARTICLE TESTING REPORT - 269653

| HENT: VOLANT OIL TOOLS INC. | | DATE: October 18, 2019 | | | | |
|--|---|--|---|--|-----------------------------|--|
| 4110-56 AVENUE Edmonton, Alberta T6B 3R8 | | INVOICE #: | 215021 | 024 | | |
| Editoritori, Alberta 105 Sko | | JOB #: 3J5031 P.O. #: 3P075 | | q | | |
| EQUIPMENT OWNER: VOLANT OIL TOOLS INC. | | Γ.Ο, π. | 3,0733 | | | |
| LOCATION: VOLANT OIL TOOLS INC. | | | | | | |
| | | WORK ORDER | RS: | 28595 | | |
| TECHNIQUE DETAILS | | | | | | |
| PROCEDURE #: MTP-01 REV 4 | | | | | | |
| TEST METHOD: ASTM E709 (2015) ACCEPTANCE STANDARD: API 8C (5TH ED) (2014) 8.4 | 77/04779.0/ | 74/ VOLAN | T SPEC 400 | ISR REV.A | | |
| EQUIPMENT | 1712 / 0141713 0201 | MAN TOLDIN | 1 31 20.400 | JOO NETTA | | |
| Manufacturer: PARKER CONTOUR PROBE Ty | pe: B300 ue: Oct-19-2019 | 9 | Serial #: | 27685 | | |
| | pe: C4-NOMAD le: Oct-19-2019 | 9 | Serial #: | 18052202 | | |
| | pe: W-PT le: Sep-01-2025 | 5 | Serial #: | 1029 | | |
| | pe:UV LIGHT METE le: Jun-18-2020 | R S | Serial #: | 120382 | | |
| | pe: COIL ie: Oct-19-2019 | 5 | Serial #: | 35 | | |
| MAGNETIZING METHOD: ✓ AC □ DC MAGNETIC PARTICLES: ✓ Wet □ Fluorescent □ Dry Color: FLUORE | Continuous Non-Fluorescer SCENT GREEN | √ Residual nt | Yoke | e 🗸 Coil | | |
| Manufacturer: SERM | Type: FLUXO 14 | AM | Batch/L | ot #: 32RS2W | | |
| LIGHT SOURCE: Halogen 250W Incar | ndescent 100W | ✓ Maglite | 6 Volt | Serial: RC60 | 66 | |
| SURFACE CONDITION: Bare Metal Ground | landered bearing | Blasted | Painted | | se Scale Remo | |
| MATERIAL TYPE: CS | MATERIAL THICK | NESS: V | ARIOUS | SURFACE TEMP | 23.0 | 0°C |
| ITEMS TESTED WET FLUORESCENT MAGNETIC PARTICLE TESTING WAS PERFOR | MED ON THE FOLLO | MANG PHOSPH | ATE COATE | D TTEMS: | | |
| MANDREL,CRTi 2-7.0, 320 TON, 4.5 IF, SR2 | WILD ON THE FOLLO | WING THOSE T | 7 (E 00) (E | 2.0,101 | | |
| ART NAME | SERIAL# | | Name of the Party | | Accept | Reject |
| 0) MANDRELS | 82306-03-33503 | 82306-03-3J5031-01 THRU TO 10 | | | | |
| | | | | | and an artist of the second | |
| TEST RESULTS & COMMENTS | | | | | | |
| NO RELEVANT INDICATIONS WERE DETECTED AT TIME OF TEST | ING. | | | | | |
| BLACK LIGHT INTENSITY AT INSPECTION SURFACE WAS GREATE | | WATTS. | | | | |
| | | | | | | |
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| | | and Market A. M. C. | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | on next pa | ge |
| * Client representative's signeture indicates acceptance of the rep | orts and results. Nortech Advi | nced NUT Ltd. is liable | o TOP EXAMINATION | Cost Willy. | | Magneton Common State of the Common State of t |
| CLIENT DEDDESENTATIVE* (DRINT/SIGN) NELSON / | | | | | | |

ith.

CGSB REG#:

13189

CGSB:

innician (PRINT) Ryan Cherwoniak

Noteth Advanced NET Urd. Held Inspection from

SNT-TC-1A: II

Technician (SIGN)