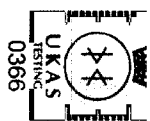


ROTECH Test Report

LABORATORY

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Rotech Number: 17-00839
Issue: 1
Date Reported: 25/09/2017
Purchase Order No. 33862

Description: Elbow Forging 7/16 inch 90 degree
Job No: 130959
Part No: L162 Issue No. 1
Cast No: L16009923

Specification: 316L
Requirements: -
Submitted by: SHARON THOMPSON
Date Sample(s) Received: 18/09/2017
Date(s) tested: 25/09/2017

Tested For:
W.H. TILDESLEY LTD
BOW STREET
WILLENHALL
WEST MIDLANDS
WV13 2AN

The test items were submitted to the laboratory for:
Mechanical - Tensile
Mechanical - Hardness

Sample: 17-00839-001

Mechanical - Tensile

Tested in accordance with: ASTM A370 - 2014

Elongation method: Elongation at fracture

Description: Longitudinal test piece Test piece type: Round Original gauge length [mm]: 4D

Sample ID	Test piece size [mm]	Yield strength (0.2% offset) [MPa]	Tensile strength [MPa]	Elongation [%]	Reduction of area [%]
1	12.54Ø	552	665	33.5	74
Rqmts	-	170	485	30	50

Sample: 17-00839-002

Mechanical - Hardness

Tested in accordance with: ASTM E10 - 2015

Test load: 10/3000 Measurement device: Type A

Sample ID Hardness [HBW]

1	195
Rqmts	-

FLOW TECHNOLOGY LTD
TEST CERTIFICATE
VERIFIED TRUE
COPY OF ORIGINAL

Comments: Test results conform to specification

F14959
7/16" JIC F/F SWIV 90 ELBOW 10K 316L

REPORT ISSUED AND
AUTHORISED BY

Chris Jones
Technician

TESTS MARKED "NOT UKAS ACCREDITED" IN THIS REPORT/CERTIFICATE ARE NOT INCLUDED IN THE UKAS ACCREDITATION SCHEDULE FOR OUR LABORATORY.
TESTS MARKED "SC" HAVE BEEN SUBCONTRACTED. RESULTS IN THIS REPORT RELATE ONLY TO THE ITEMS TESTED.
OPINIONS AND INTERPRETATIONS EXPRESSED HEREIN ARE OUTSIDE THE SCOPE OF UKAS ACCREDITATION. THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF THE LABORATORY.
TESTING CONDUCTED IN ACCORDANCE WITH MANAGEMENT SYSTEM MANUAL ISSUE 14.