ONSITE SERVICES REPORT

Swagelok
London

XXXX

Invasive fitting survey

Report Date:XX/XX/19

VENDOR: **SWAGELOK London**		
CLIENT: **XXX**		
PURCHASE ORDER NO.:	**DOCUMENT NO.:**	**PROJECT NO.:**
	FAB1419-xxxx	FABxxxx
PROJECT TITLE:	Onsite Inspection Services at –XXXXXX Reference XXX	
DOCUMENT TITLE:	Invasive fitting inspection	

	INITIAL	**DATE**
WRITTEN BY	MDW	23/10/19
CLIENT RECEIVED	XXX	XX/XX/19

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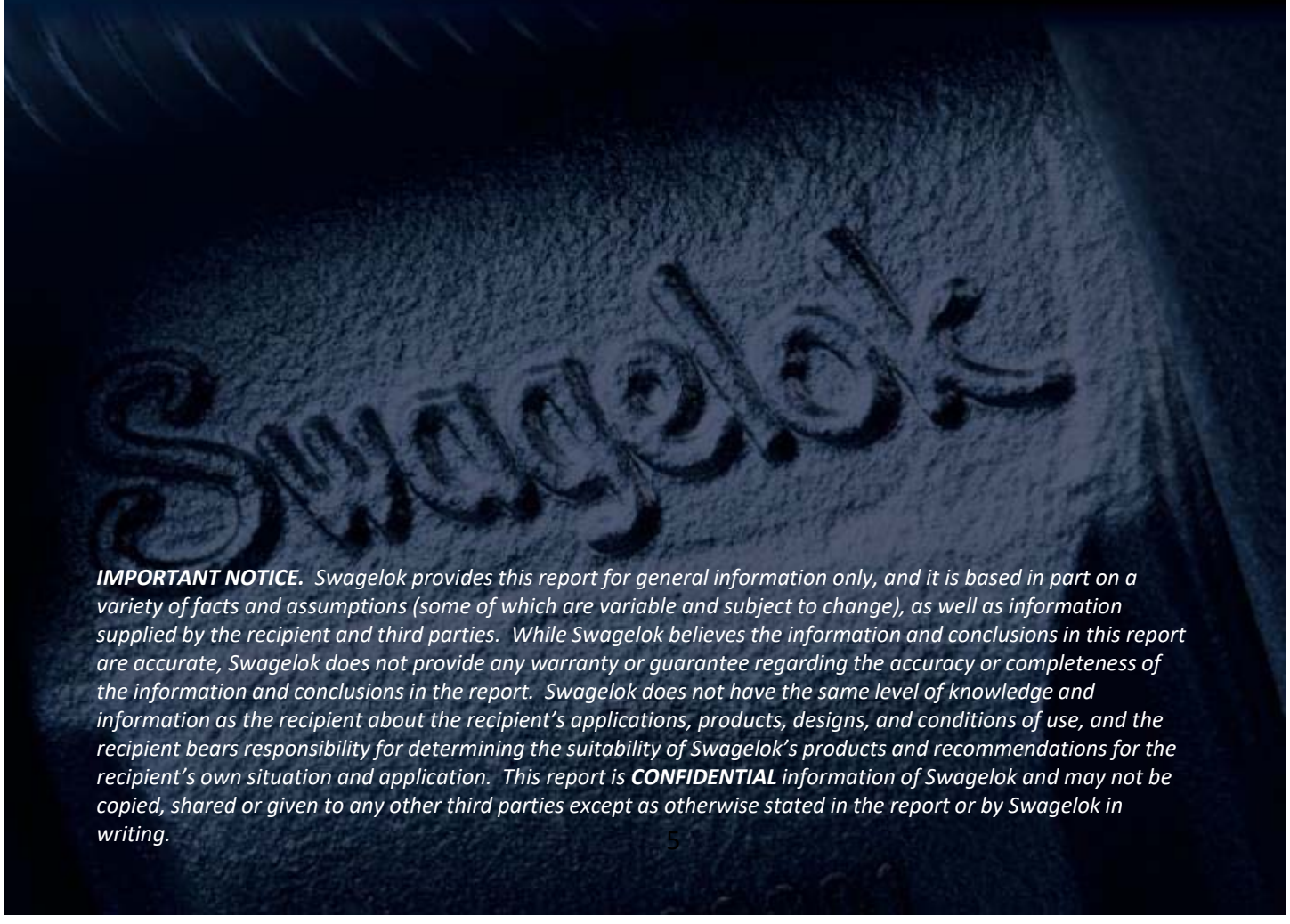
UTIVE SUMMARY

This report is a summary of the 1-day invasive fitting survey at XXX of the XXX Unit-XXX. We conducted an onsite inspection on the XXrd of XXX 2019.

The scope of work for the inspection was to provide a report on the installation of the fittings surveyed to ensure the correct installation procedure had been followed. 20% of the overall fittings were inspected.

During the onsite inspection we identified no issues with the installation of the fittings surveyed.

INSPECTION POINTS	Quantity	Quantity Surveyed	% RATE
Tube fittings	280	57	20



INTRODUCTION

The process of performing a system engineering service begins with a dedicated Swagelok Field Engineer working with your Instrument team. The capabilities of this fluid system expert encompass the following:-

- System problem solving
- Information on industry best practices
- Knowledge of Swagelok small bore tubing & training
- Swagelok custom solution assemblies

The skill set demonstrated is applicable to both analysis of system components and the assessment of a complete system.

Swagelok Personnel

Mark Welch
Swagelok London Field Engineer
+44 (0) 7717 875003
mark.welch@Swagelok.com

Thank you for allowing Swagelok onsite inspection services to be of assistance to you.

Please do not hesitate to contact us if you require additional information or clarification on any item contained in this report.

ISSUES BY TAG ID

Tag ID : 04101 Category : 1

Plant Area:	Fittings	Part Material:	316 Stainless Steel
Customer Tag ID:	MV 02/2	Connection Type:	Tube Fitting
Location:		Connection Size	1/4 in
GPS Location:			
Part Description:	Stainless Steel Swagelok Tube Fitting, Male Connector, 1/4 in. Tube OD x 1/2 in. Male NPT		
Process Fluid:	N/A	Type of Part:	Fittings
Pressure:	0 bar	Manufacturer:	Swagelok
Temperature:	0 C	Part Number:	SS-400-1-8
Issue:	None.	Equiv Swagelok Part:	
Description:			
Other Findings:			
Possible Solution:	None. Correct installation.		
Ultrasound dB:		n/a	
Ultrasound ID:		n/a	

IMPORTANT: Always depressurize the system before working on, disassembling or assembling a fluid system. Safe Product Selection: When selecting a product, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.

NOTE: Where the Part Number is followed by " * ", it should be confirmed before placing an order.

INSPECTION STATISTICS

Issue Category Summary

Category	Total
Category: 1	57
Total	57

Issue Type Summary

Issue Type	Total
No Issue	57
Total	57

Surveyed Connection Stats Summary

Connection Type	Surveyed	Issues	%
Tube Fitting	57	0	n/a
Total	57	0	

Issues by Part Type

Part Type	Issue Type	Qty
Fittings	None.	57
	Total	57

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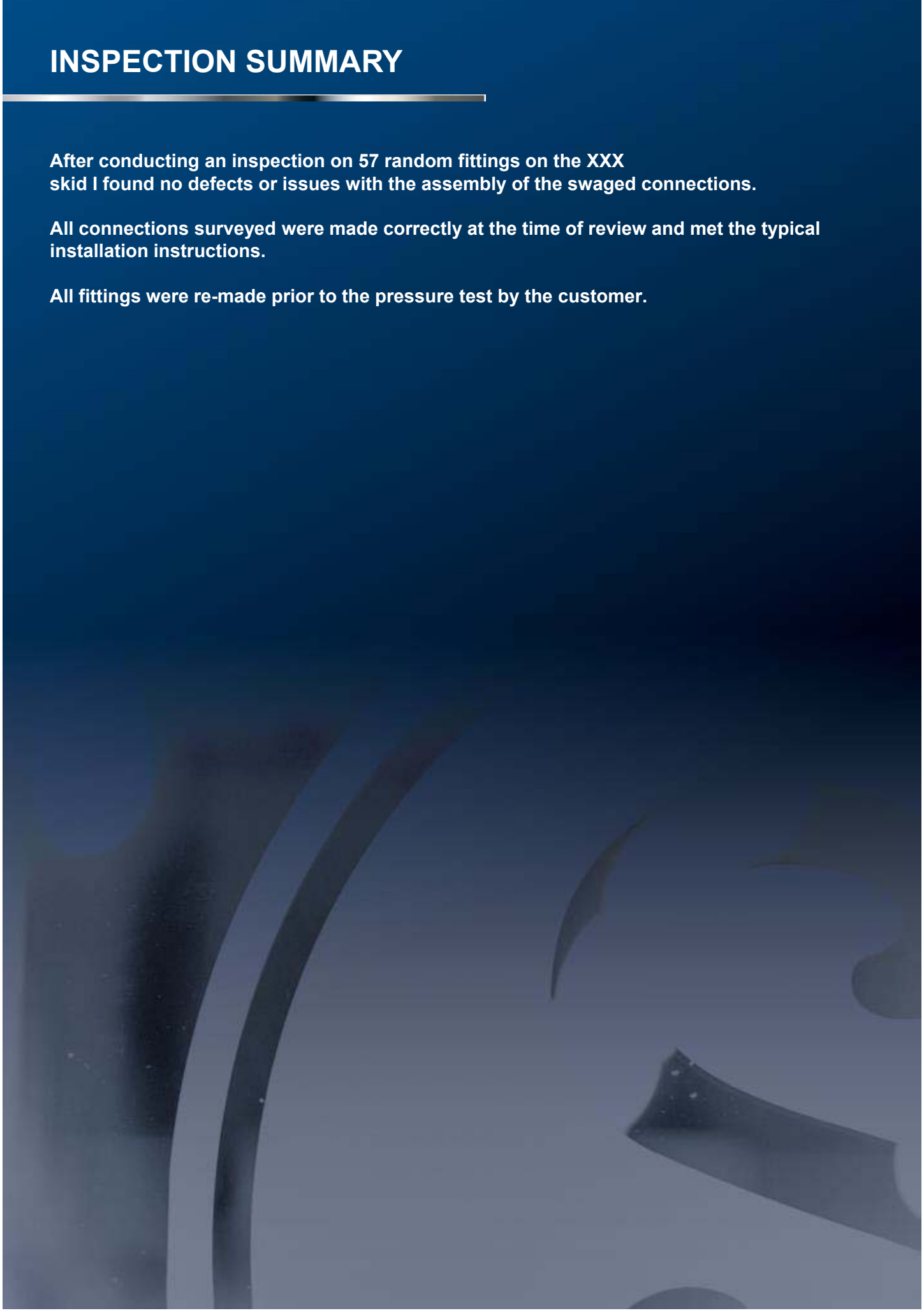
INSPECTION SUMMARY

After conducting an inspection on 57 random fittings on the XXX skid I found no defects or issues with the assembly of the swaged connections.

All connections surveyed were made correctly at the time of review and met the typical installation instructions.

All fittings were re-made prior to the pressure test by the customer.



Swagelok
London

SWAGELOK London
AUTHORISED SALES & SERVICE CENTRE
T. +44 (0)1923 272 000
E. info@London.Swagelok.com
W. WWW.SWAGELOK.COM/London

OFFICE:
Kingley Park
Station Road
Kings Langley
Hertfordshire
England WD4 8GW

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