

	VALIDATION DEPARTMENT TEST REPORT		REPORT#	
			DATE	1/11/2018
			AUTHOR	
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Project description: FORD-Prod3-14-510 Fuel Filter 6.7L Secondary MY2017-New welder nests and leak checker DVP			Project #:	
Test name: Pressure cycling test			Customer:	FORD
DATE REQUIRED	3/30/2018	URGENCY	☒ Y ☒ N	Additional approval required to expedite request due to resource constraints DVP&R: SPECIFIC

TEST PURPOSE\WORK PURPOSE

Run production at Prichard plant in using new vibration welded nests (x4) + new leak checker (x4 stations) working under 7 bar of pressure.
18 parts total per FORD specification. |

SPECIFICATION/ DOCUMENTATION

SOURCE/OEM	SPECIFICATION / DOCUMENT NAME / BUILD INSTRUCTION
FORD	SPECIFIC DVP – SEE TCE

PARTS DESCRIPTION

Program Part Number	Quantity	Part Resin	Date of Arrival to Sogefi lab	Part Name (Alias)	Product State	Test Fixture #
CC34-9150-BB	9- 2 PORT 9 - 3PORT	PA66GF-CF	2/1/2018	XFC 233/144 – 2 PORTS FINE FILTER	PROD	NA

TEST CONDITIONS\WORK CONDITIONS

#	Test conditions or Work Tasks	Influential parameters	Deviation from specification
#1 Pressure cycling	Pulsation	Temperature: ambient SOGEFI Test Parameters: Test fuel: Oil Pressure: P0-7 bar (absolute) Test Procedure: Apply pressure according to the following intervals: 5 sec, Pressure = 0 bar 5 sec, Pressure = 7 bar Continue for 50,000 cycles	NA

Test Technician	Test Engineer	Product Engineer	Product Leader	Validation Manager	Lab Manager

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CUSTOMER ACCEPTANCE CRITERIA - PASS	
Post Test Name	Pass/Fail Criteria
10. Pulse	No crack, no leak

LAB TEST EQUIPMENT							
Test	Test equipment	Additional Support Equipment Required					Test date
1	Hydraulic Pressure Controlled Bench AROS						

TEST METHOD TO PERFORM TEST / WORK
Fixture parts received from Prichard manufacturing facility. Fill sample through the inlet tube with hydraulic oil. Circulate oil through the part until there are no longer any air pockets. Perform leak check on each part prior to start of pulsation testing. Stabilize temperature at 60°C. Apply a square pressure wave from 0Bar to 7Bar according to specification. On completion of pulsation, perform a final leak check.

TEST RESULTS
All samples completed testing according to specification.

Test Technician	Test Engineer	Product Engineer	Product Leader	Validation Manager	Lab Manager
██████████	██████████	██████████	██████████	██████████	██████████

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DATE
REQUIRED

3/30/2018

URGENCY

Y ☐

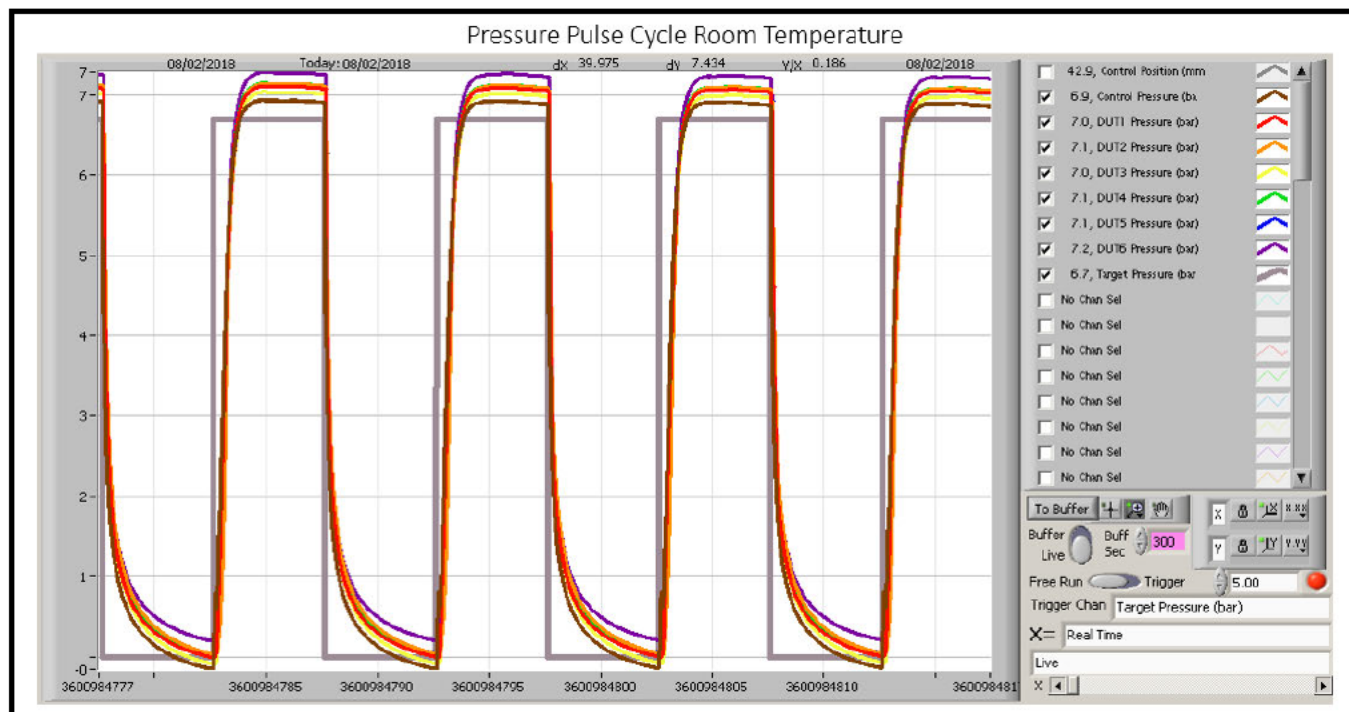
N ☒

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DVP&R:

[SPECIFIC]

GRAPHS



TEST CONCLUSION

Test Technician	Test Engineer	Product Engineer	Product Leader	Validation Manager	Lab Manager
██████████	██████████	██████████	██████████	██████████	██████████

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DATE REQUIRED	3/30/2018	URGENCY	<table border="1"> <tr> <td>Y</td> <td>☐</td> </tr> <tr> <td>N</td> <td>☒</td> </tr> </table> Additional approval required to expedite request due to resource constraints	Y	☐	N	☒
Y	☐						
N	☒						
		DVP&R:	SPECIFIC				

IMAGES OF TESTING / WORK



Set up for pressure pulsation

Test Technician	Test Engineer	Product Engineer	Product Leader	Validation Manager	Lab Manager
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

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IMAGES OF TESTING / WORK



Additional angle of setup for pressure pulsation

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██████████	██████████	██████████	██████████	██████████	██████████

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