

Enclosure
Affected Component Cooling (CC) and Cooling Water (CL) System Components

Component	Description	Category/ Group	Type	Test Type
PI:2:_CC:245-121	21 CC Pump	Group A	Centrifugal Pump - Horizontal	Group A Comprehensive
PI:1:_CL:145-392	12 Diesel Driven Cooling Water Pump	Group B	Vertical line shaft	Group B Comprehensive
PI:2:_CC:CV-31253	21 Excess Letdown Heat Exchanger CC Outlet Control Valve	Cat B	Air-Operated Valve	Full Stroke Closed
PI:2:_CL:CV-31383	21 CC Heat Exchanger Cooling Water Outlet Control Valve	Cat B	Air-Operated Valve	Stroke Time Open
PI:2:_CC:MV-32128	21 Residual Heat Removal (RHR) Heat Exchanger CC Inlet Motor Valve	Cat B	Motor-Operated Valve	Stroke Time Open
PI:2: CC:2CC-3-1	21 CC Pump Discharge	Cat C	Check Valve	Full-Stroke Exercise
PI:2: CC:2CC-3-3	21 CC Pump CC Return	Cat C	Check Valve	Full-Stroke Exercise
PI:2: CC:2CC-3-4	22 CC Pump CC Return	Cat C	Check Valve	Full-Stroke Exercise
PI:2: CC:2CC-5-1	21 CC Pump CC Return	Cat C	Check Valve	Full-Stroke Exercise

Performance Trend Data is provided in the Attachment to this Enclosure

**Prairie Island Nuclear Generating Plant Request 6-IST-RR-02,
Request for Alternative in Accordance with 10 CFR 50.55a(z)(2)**

Enclosure, Attachment

Performance Trend Data

20 Pages Follow

SP

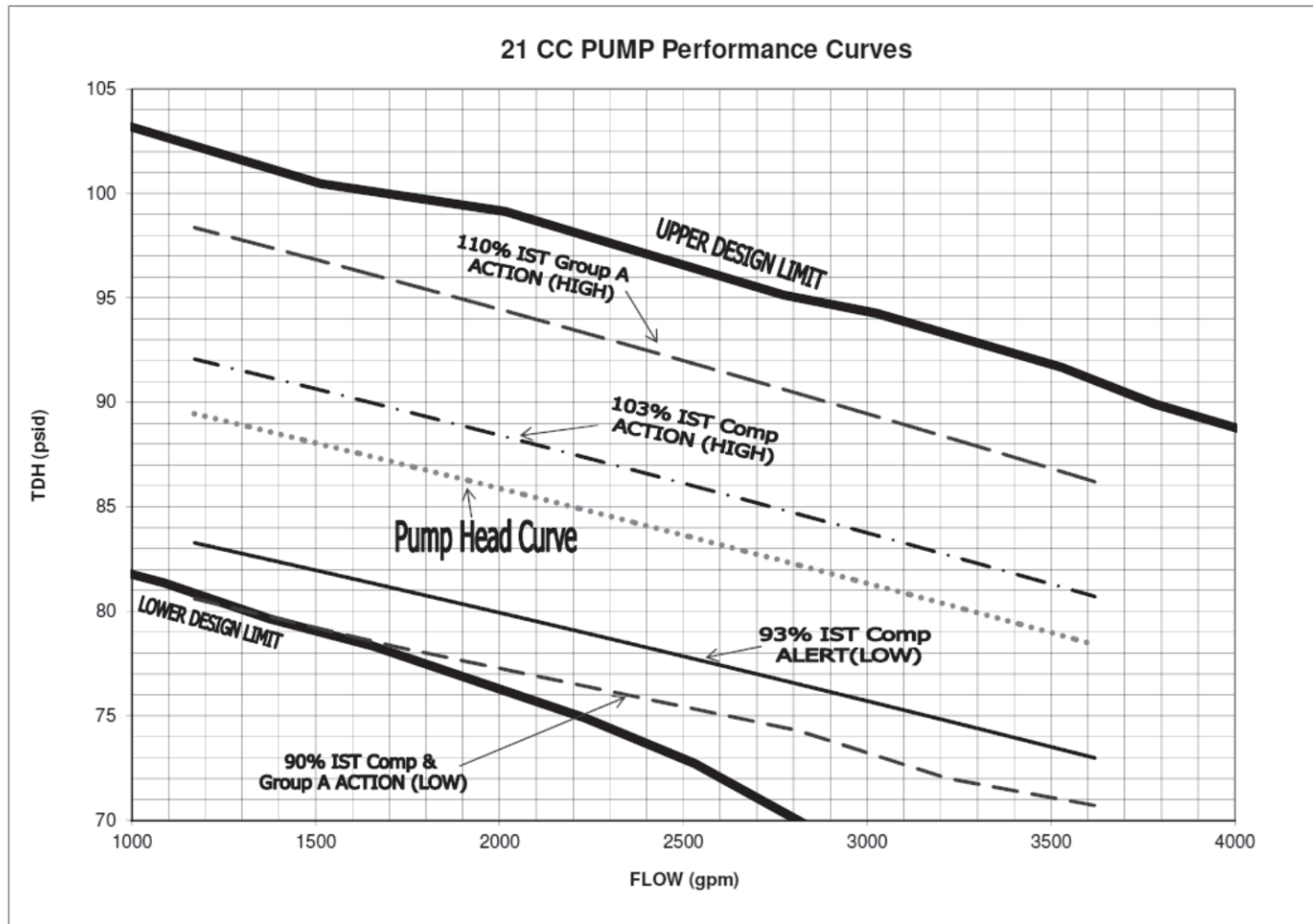
**CC SYSTEM QUARTERLY
TEST TRAIN A**

SP 2155A

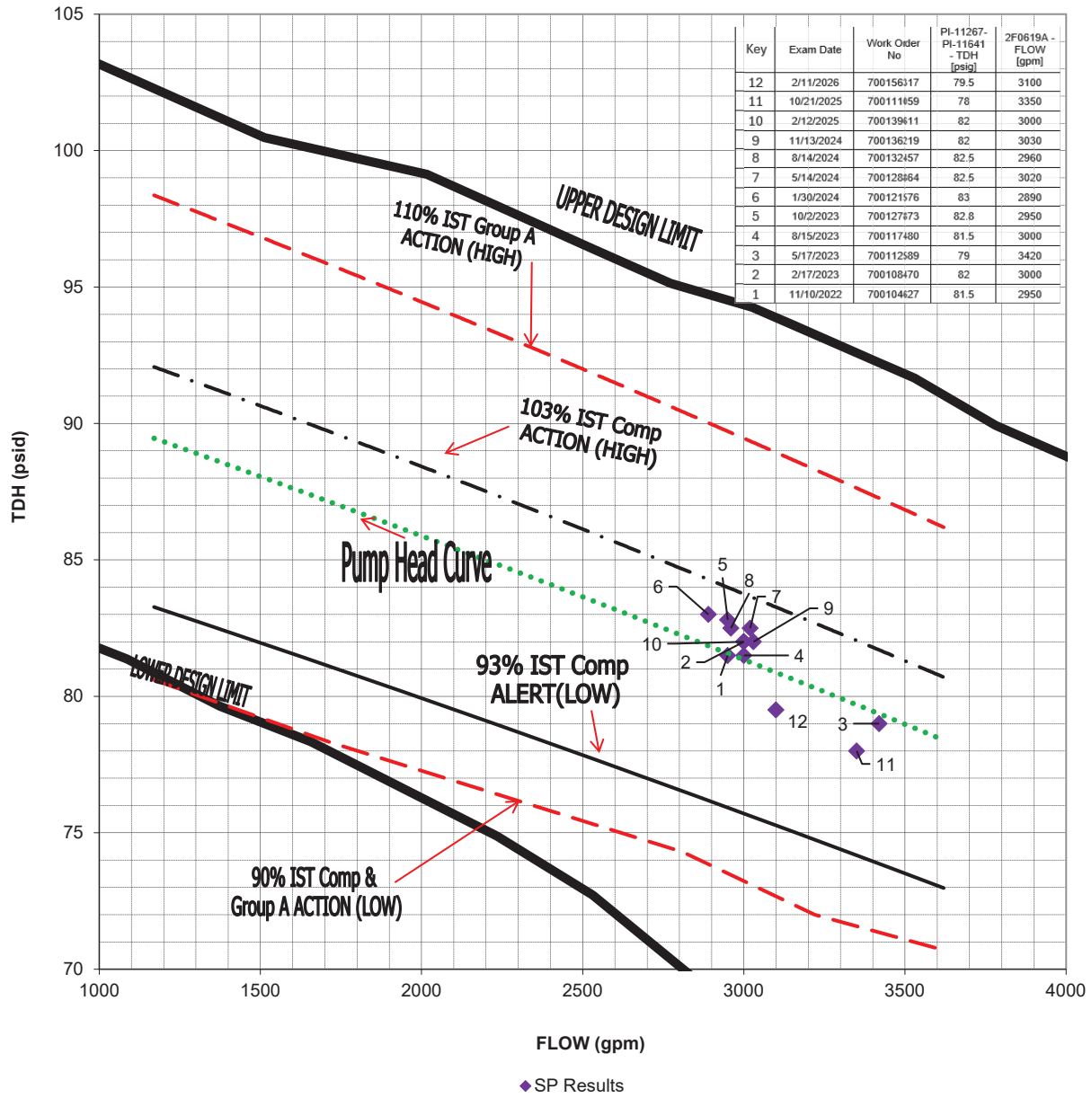
REVISION: **47**

Page 29 of 37

21 CC PUMP Performance Curves



21 CC PUMP Performance Curves



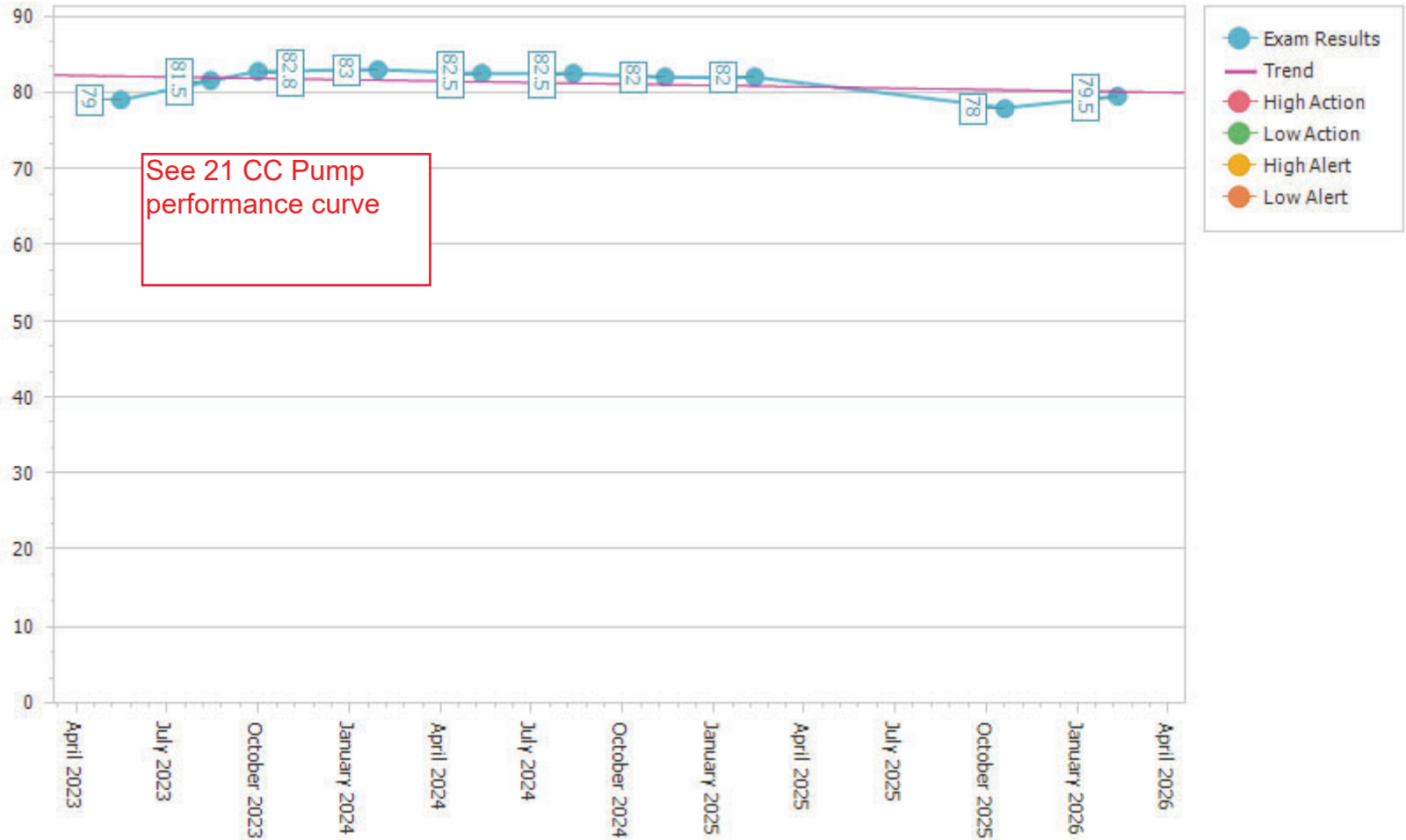
NOTE: Due to previous relief request all CC system testing was postponed from 2Q 2025 through the fall 2025 outage.



Performance Trend Data

Procedure No. / Surveillance No.	Surveillance Type	Summary No.	Component Id	Frequency	Method	Unit of Measure
SP 2155A / SP 2155A		PINP-2-245-121	245-121	M3	dP	PSI

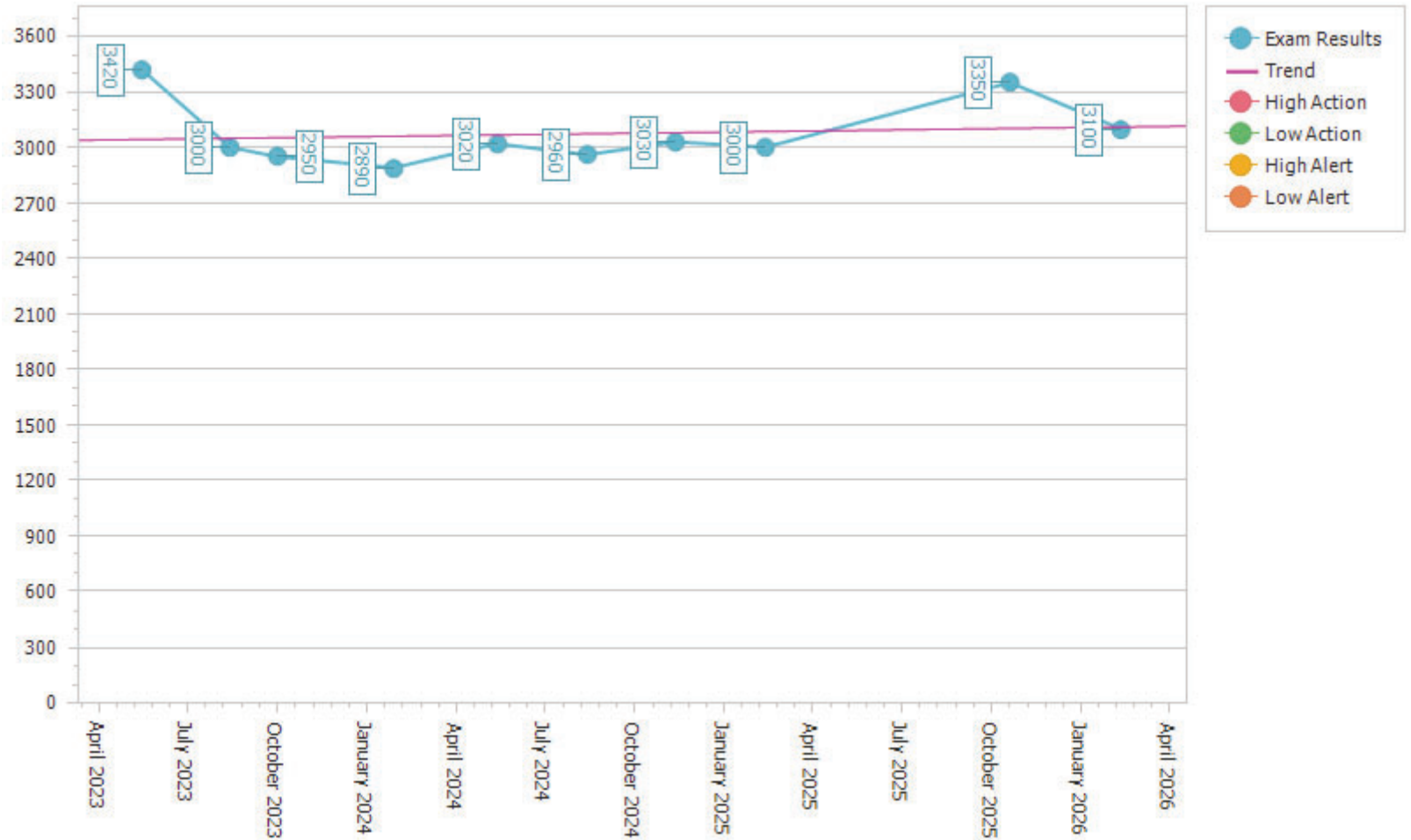
Last Test	Last Value
02/11/2026	79.5000
Slope (Trend)	2.9965



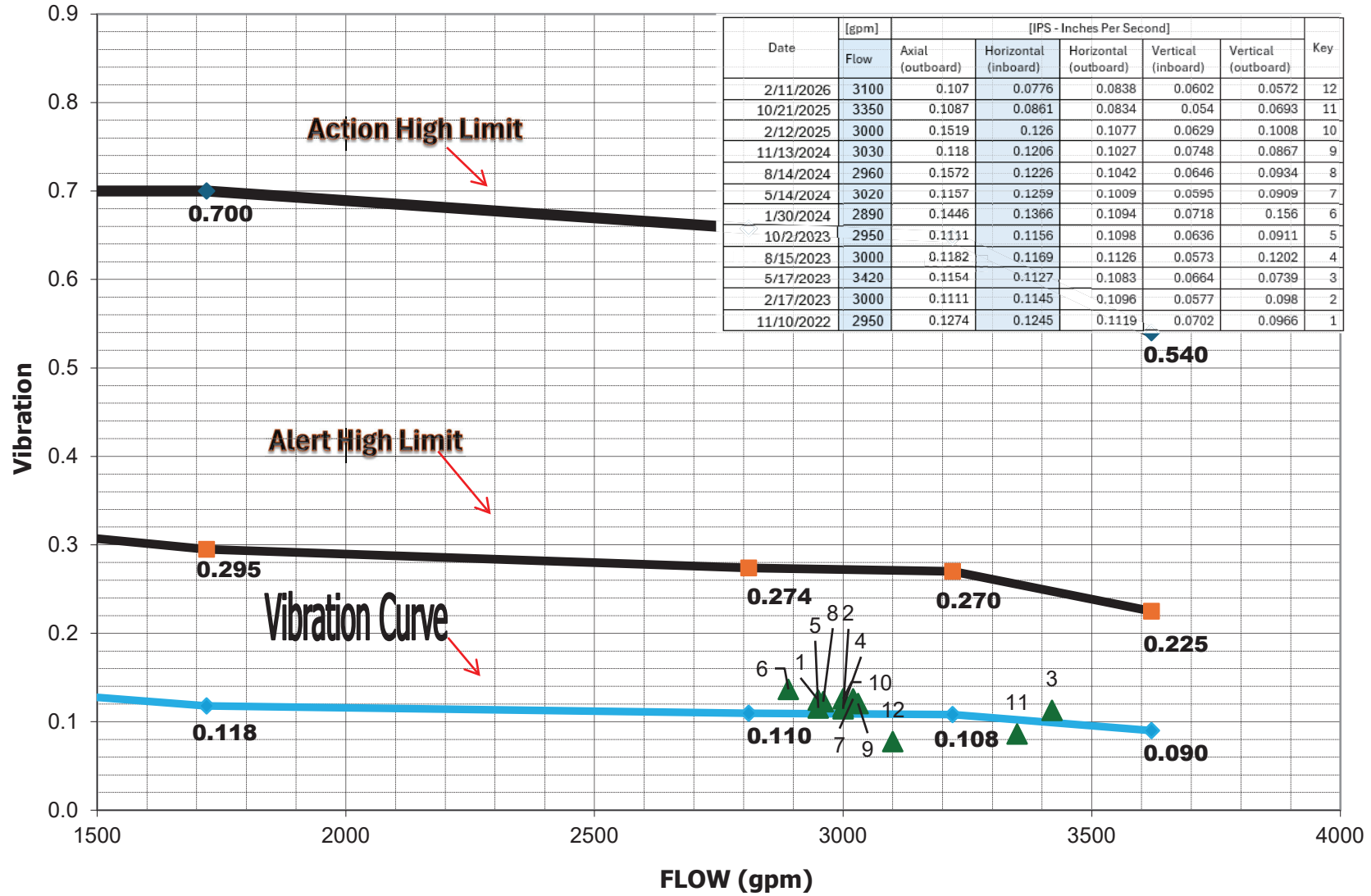
Performance Trend Data

Procedure No. / Surveillance No.	Surveillance Type	Summary No.	Component Id	Frequency	Method	Unit of Measure
SP 2155A / SP 2155A		PINP-2-245-121	245-121	M3	Q	GPM

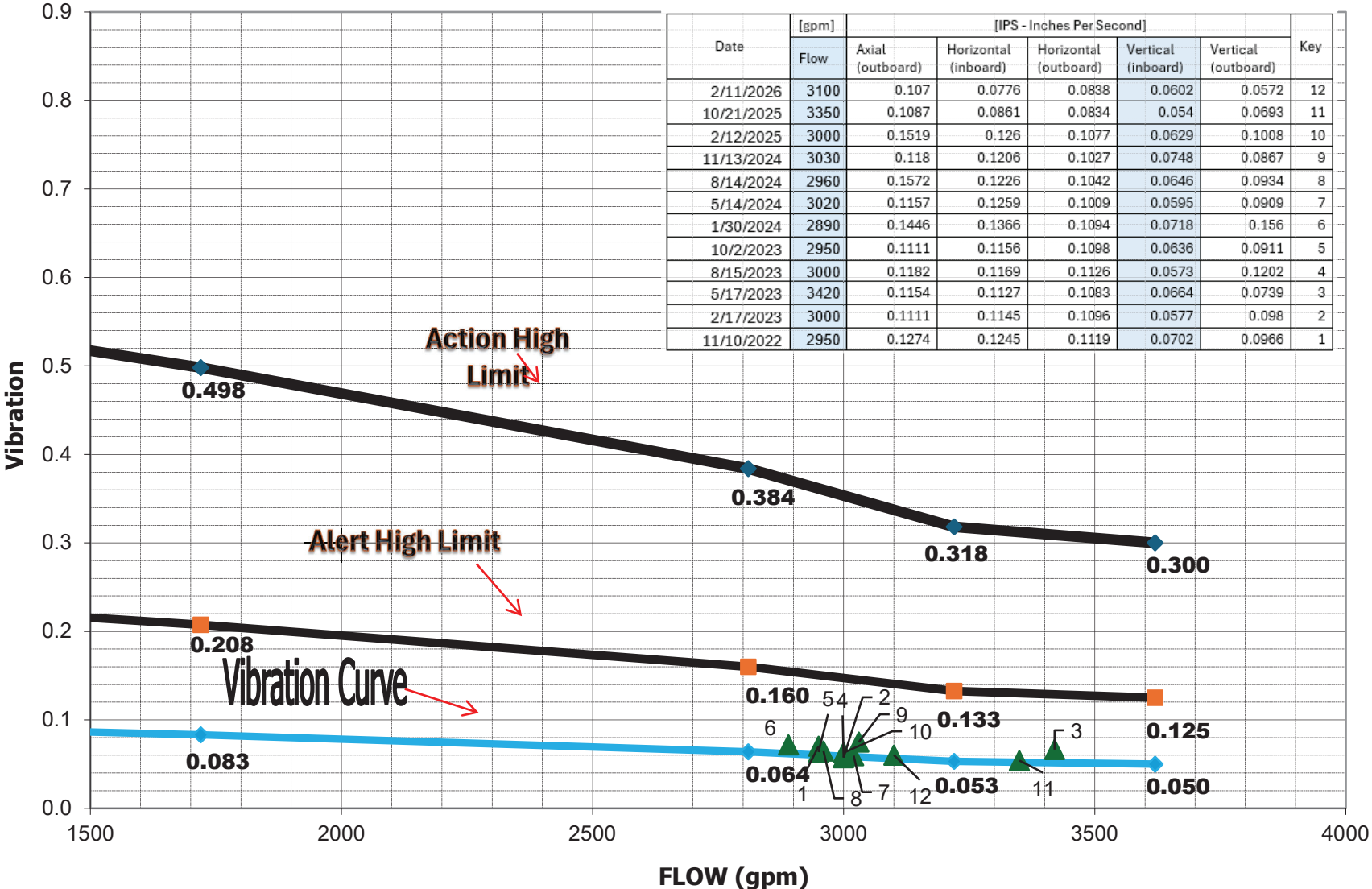
Last Test	Last Value
02/11/2026	3100.0000
Slope (Trend)	-170.0143



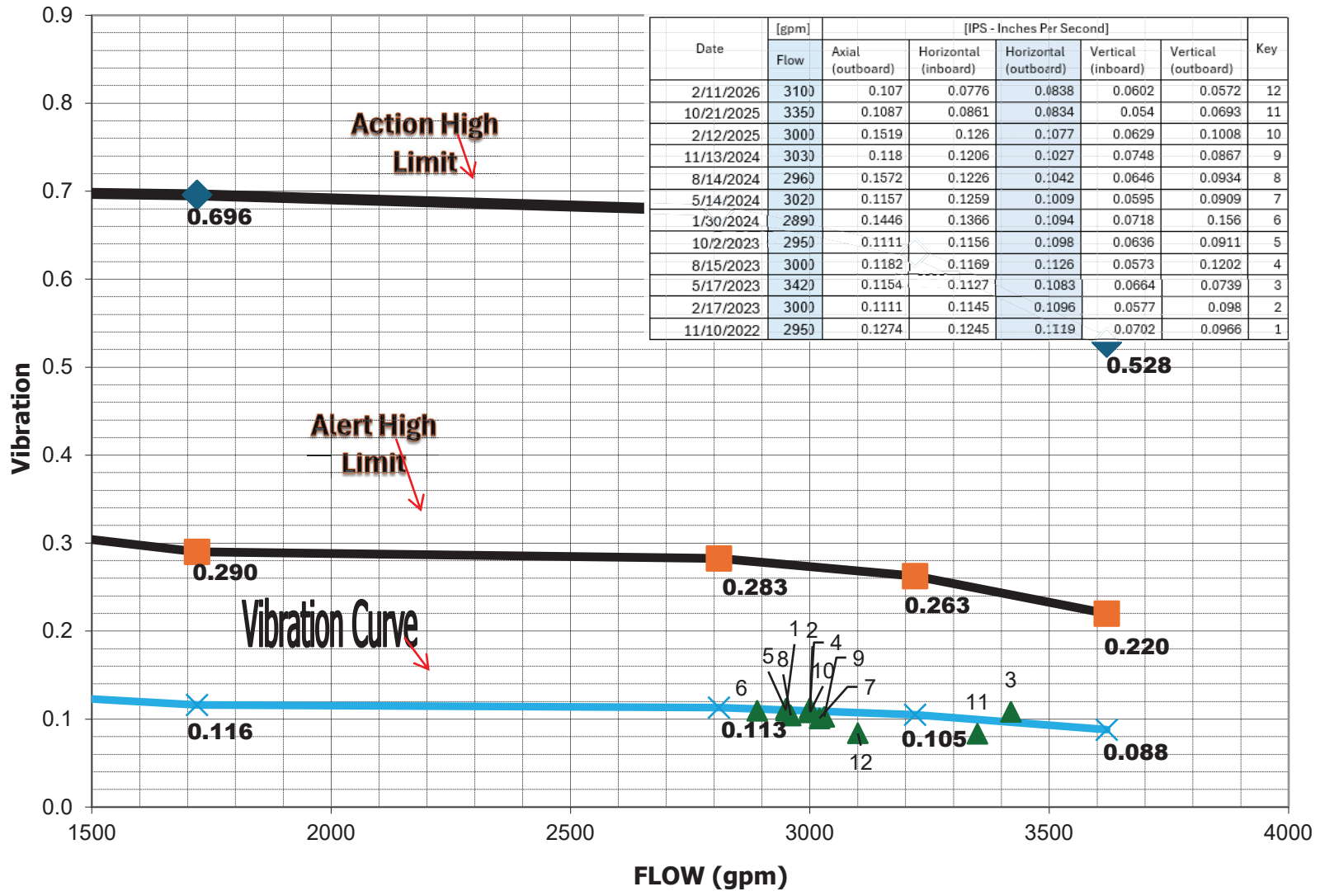
21 CC PUMP Vibration Curve - Inboard Pump Horizontal



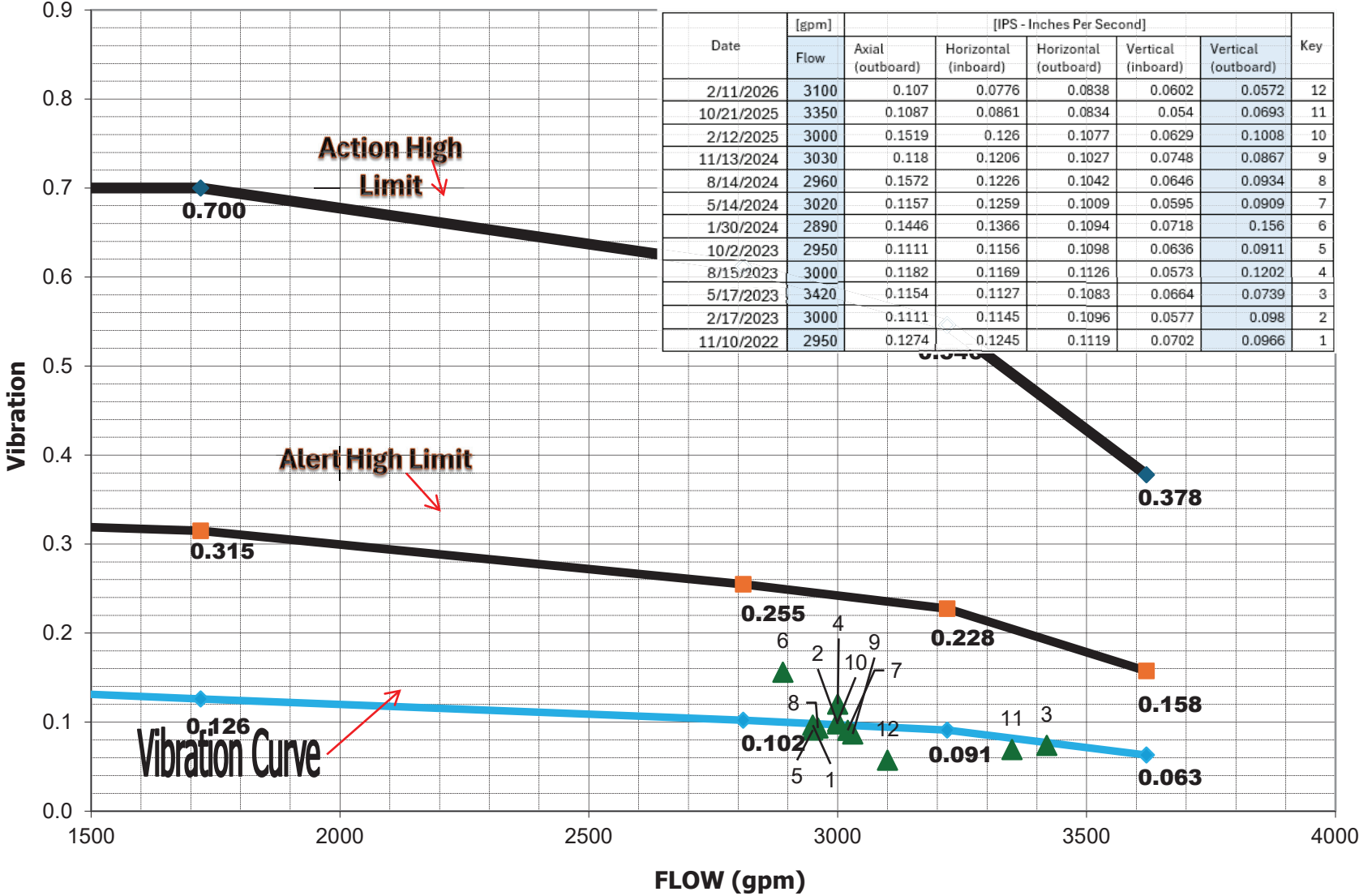
21 CC PUMP Vibration Curve - Inboard Pump Vertical



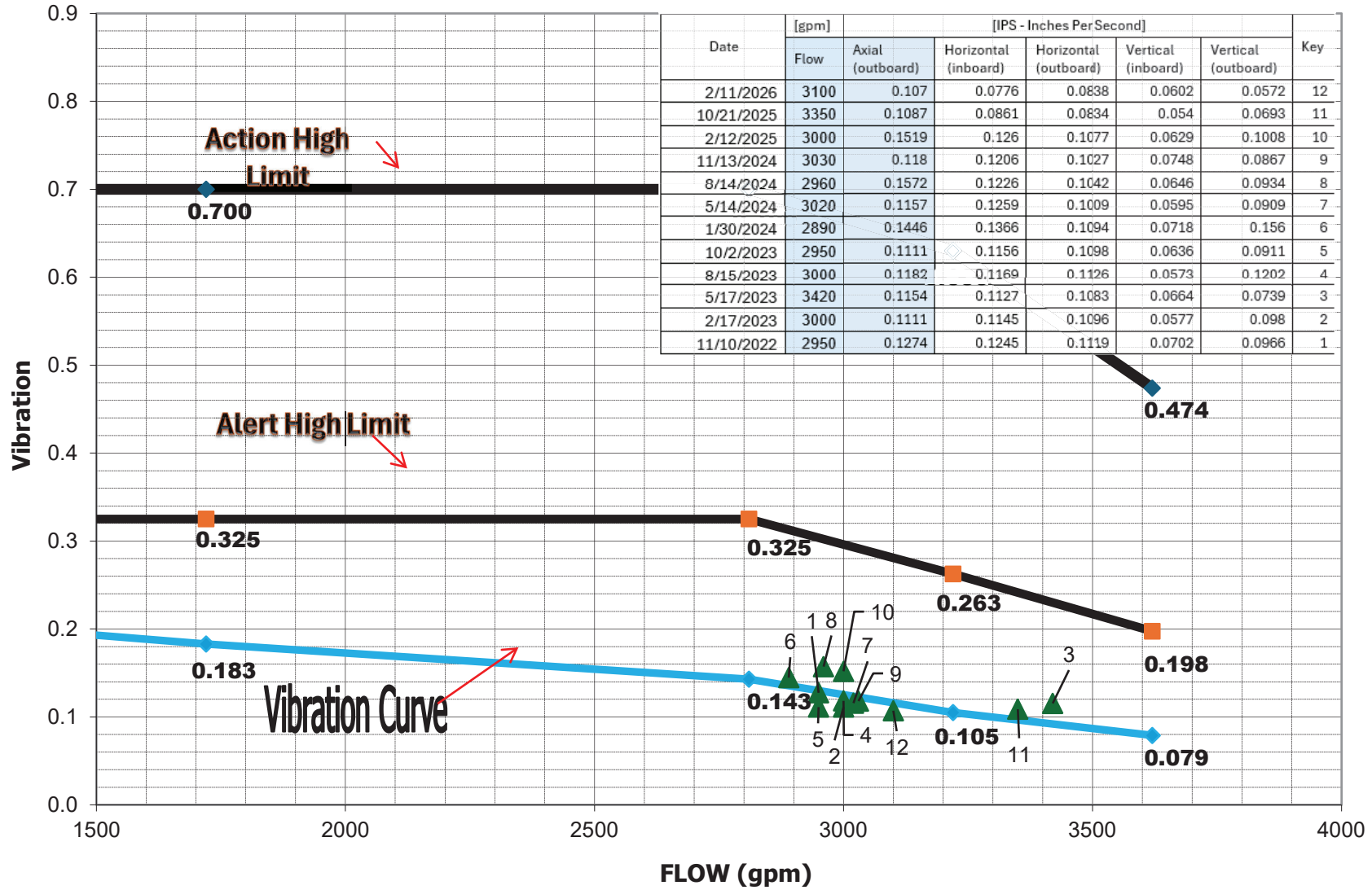
21 CC PUMP Vibration Curve - Outboard Pump Horizontal



21 CC PUMP Vibration Curve - Outboard Pump Vertical



21 CC PUMP Vibration Curve - Outboard Pump Axial

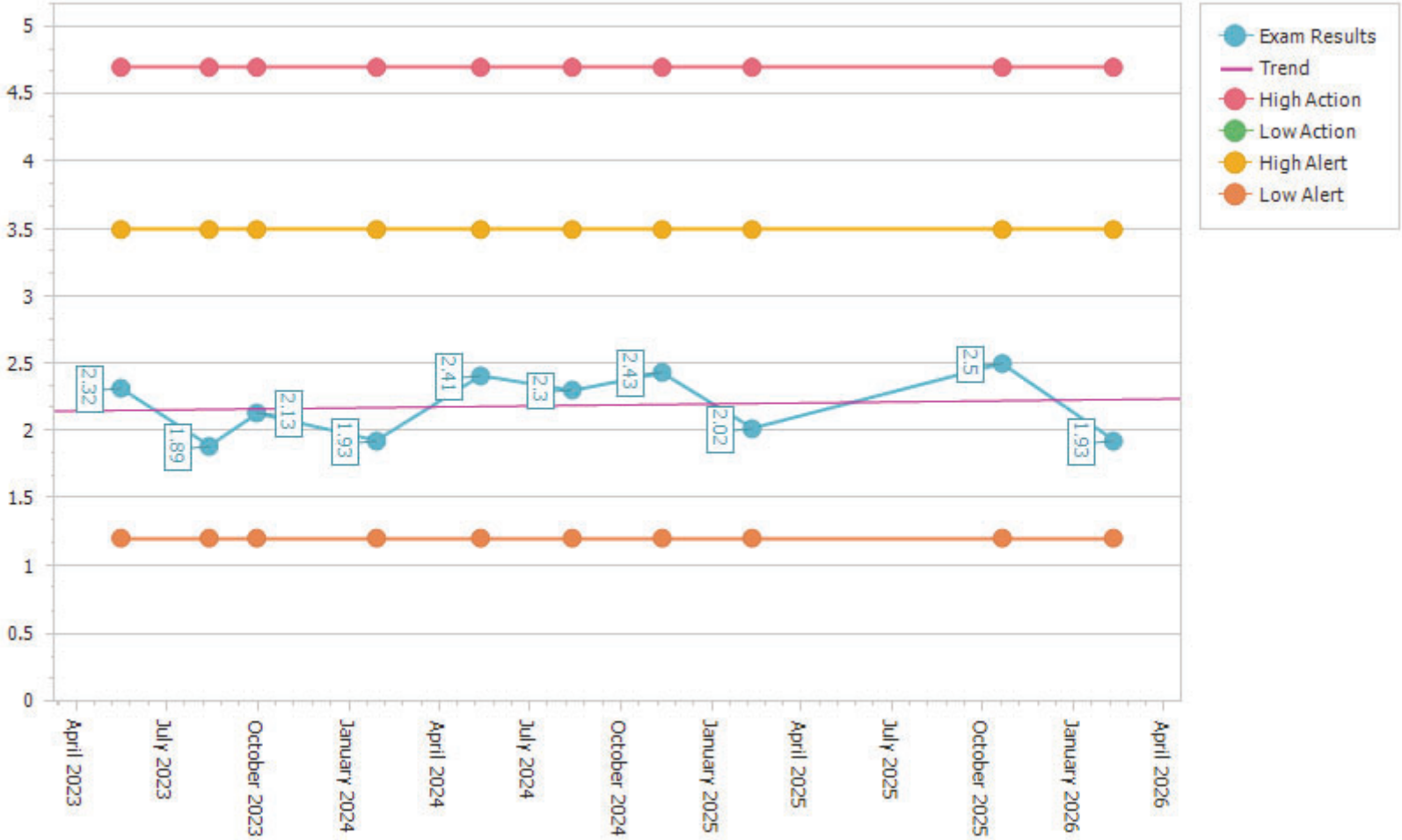




Performance Trend Data

Procedure No. / Surveillance No.	Surveillance Type	Summary No.	Component Id	Frequency	Method	Unit of Measure
SP 2155A / SP 2155A		PINP-2-CV-31253	CV-31253	M3	STC	Sec

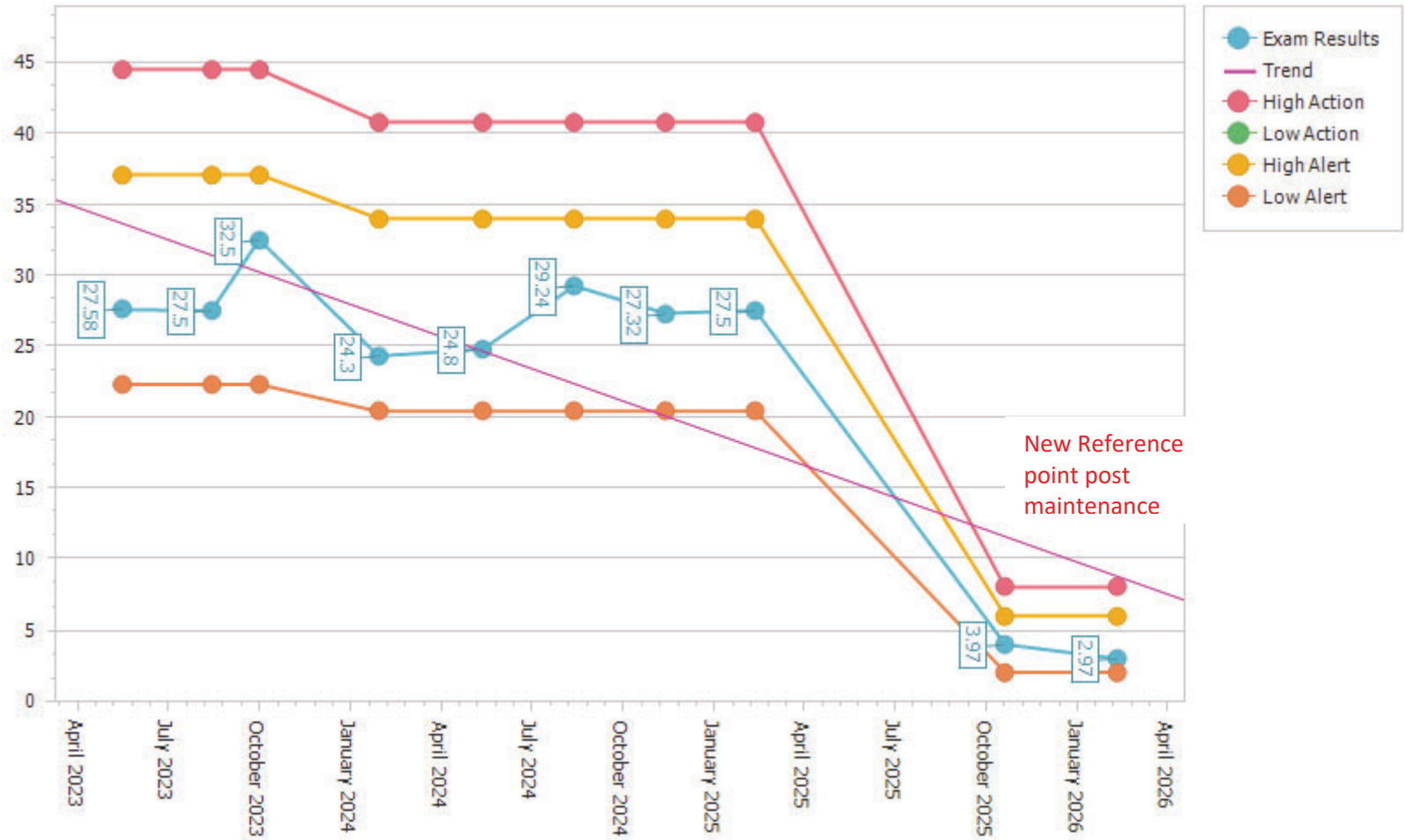
Last Test	Last Value
02/11/2026	1.9300
Slope (Trend)	.0338



Performance Trend Data

Procedure No. / Surveillance No.	Surveillance Type	Summary No.	Component Id	Frequency	Method	Unit of Measure
SP 2155A / SP 2155A		PINP-2-CV-31383	CV-31383	M3	STO	Sec

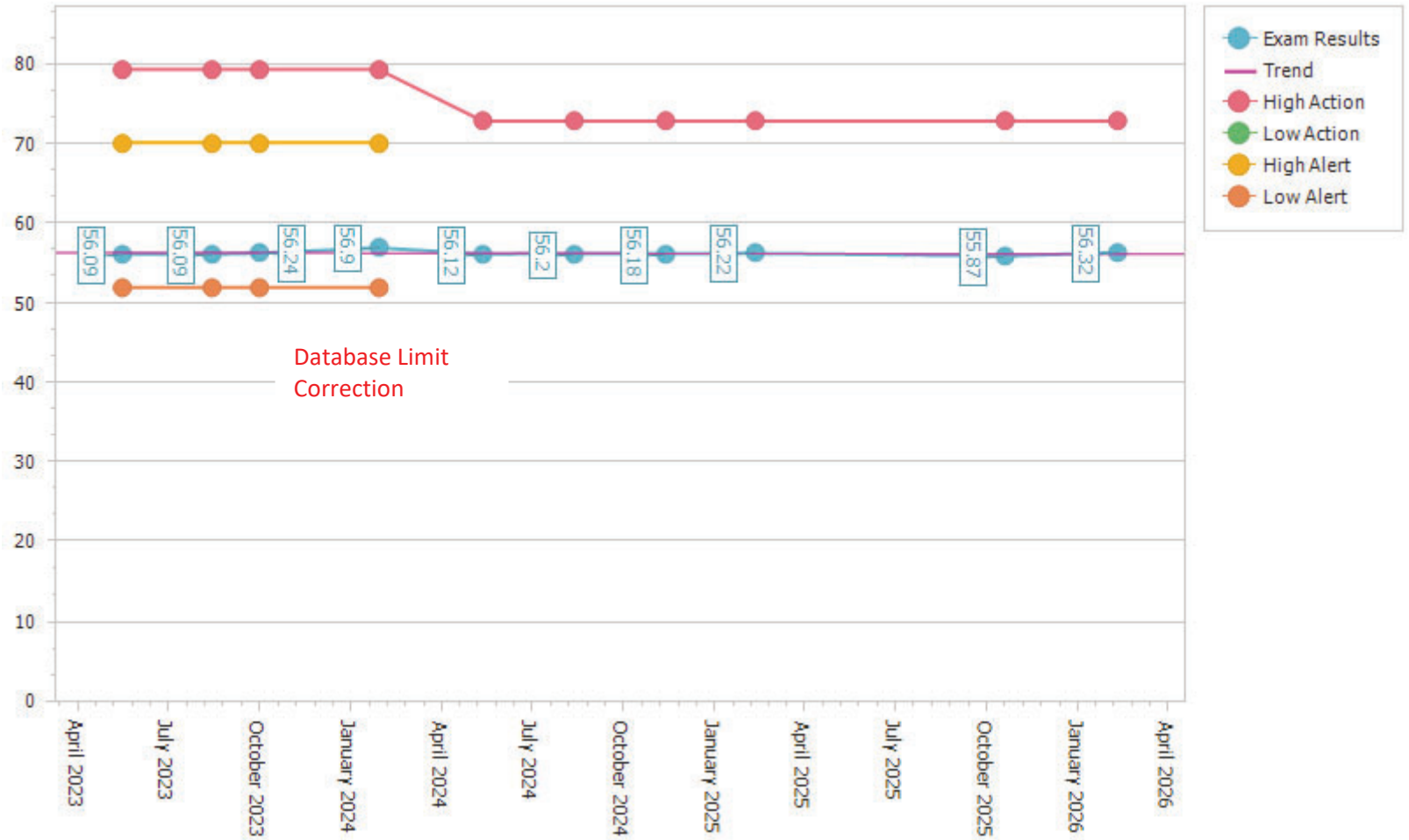
Last Test	Last Value
2/11/26	2.97
Slope (Trend)	N/A



Performance Trend Data

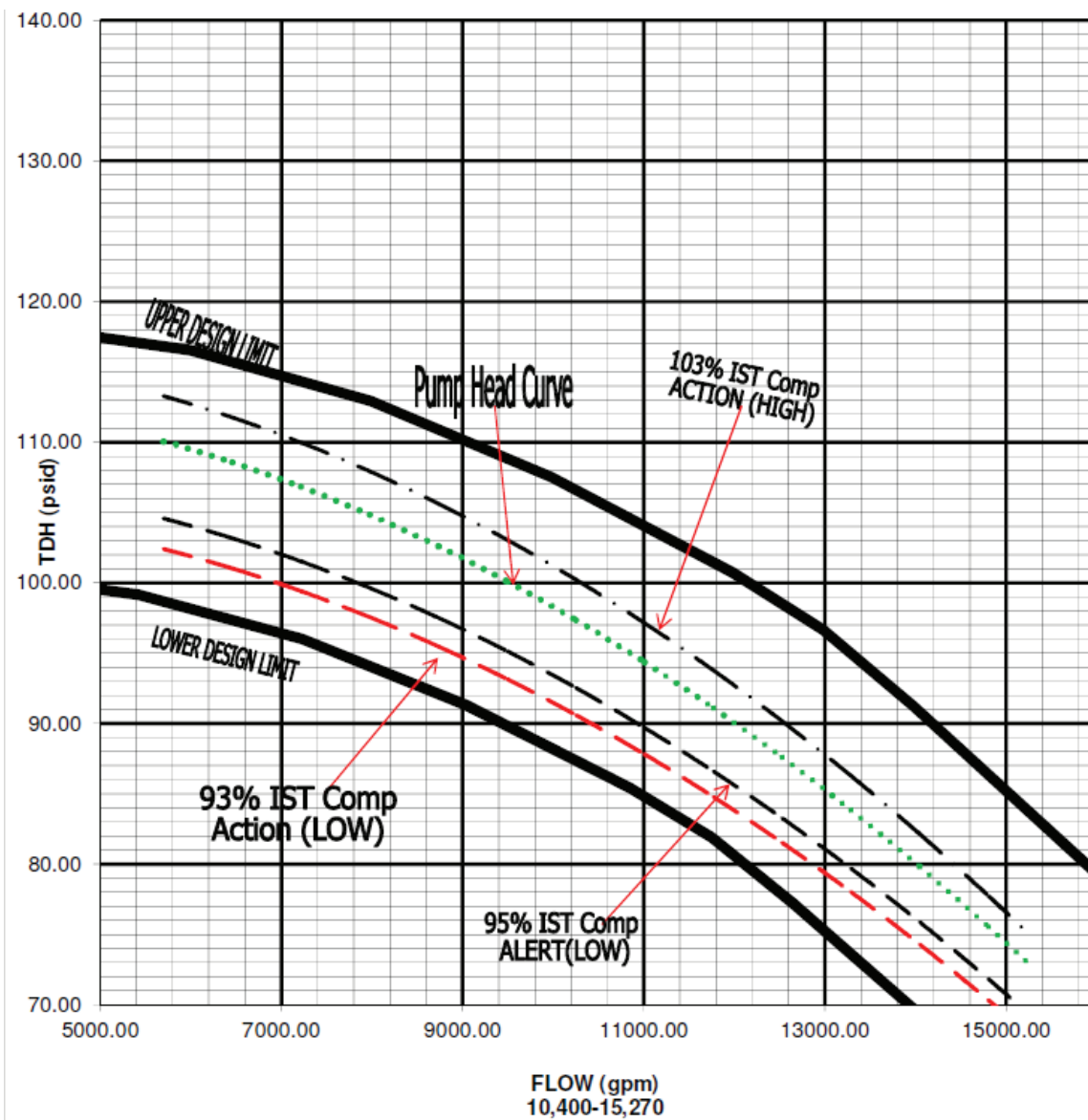
Procedure No. / Surveillance No.	Surveillance Type	Summary No.	Component Id	Frequency	Method	Unit of Measure
SP 2155A / SP 2155A		PINP-2-MV-32128	MV-32128	M3	STO	Sec

Last Test	Last Value
02/11/2026	56.3200
Slope (Trend)	-.0105



<h1>SP</h1>	<h2>12 DIESEL COOLING WATER PUMP MONTHLY TEST</h2>	SP 1106A
		REVISION: 109
		Page 64 of 69

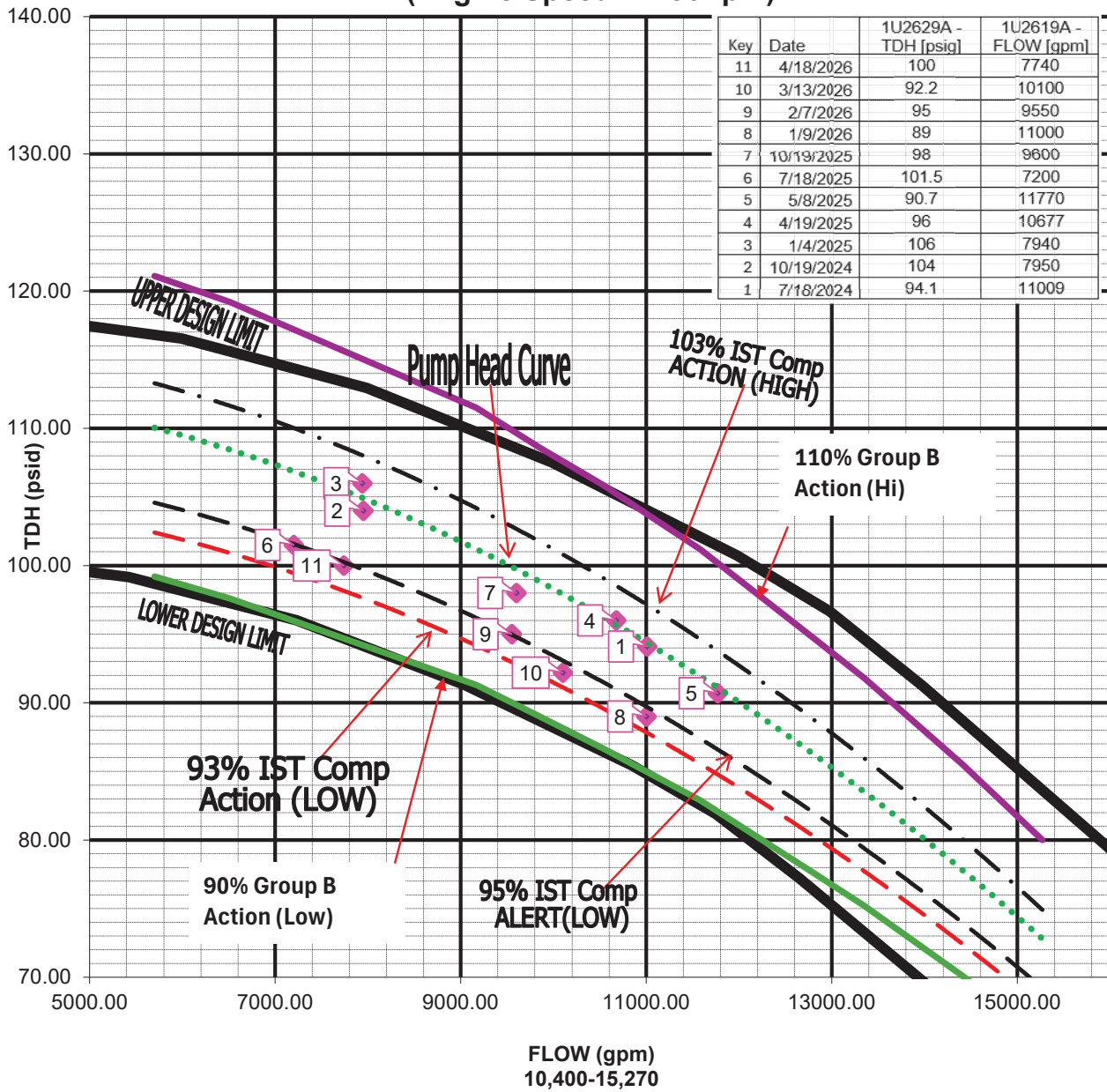
12 DD CLP Comprehensive Performance Curves (Engine Speed - 1190 RPM)



Baseline data from WO 700006891 (4/14/2018)

RCS 1U2619A Ave _____ gpm
TDH: 1U2629A _____ psid
DATE: _____

12 DDCLP Comprehensive Performance Curves (Engine Speed - 1190 rpm)



SP	12 DIESEL COOLING WATER PUMP MONTHLY TEST	SP 1106A
		REVISION: 109
		Page 46 of 69

IST # 7.7.10 Record the following pump points indicated on the right angle drive using the CSI 2120 or equivalent digital vibration meter:

	Vibration Reading (In/sec)	Reference	Alert	Action
X		0.150	>0.325	>0.7
Y		0.158	>0.325	>0.7
A		0.147	>0.325	>0.7

All three vibration readings are less than the Alert Level:
(Check One)

YES
 NO

IST # 7.7.11 Record the following from Vibration Monitoring Panel 12, MNTR 72432:

CH A 28015, 12 DDCLWP ENG

_____ in/sec

CH B 28030, 12 DDCLWP GEAR

_____ in/sec

7.7.12 Inspect 12 Diesel Cooling Water Pump Jacket Cooling Water System for leaks, corrosion, etc. from **CV-31423**, 12 DD CLG WTR JCKT CLR OUTL CV, to the point where the line goes through the Screenhouse floor including **CW-76-1**, 12 CLG WATER PUMP JACKET WATER HEAT EXCH OUTLET.

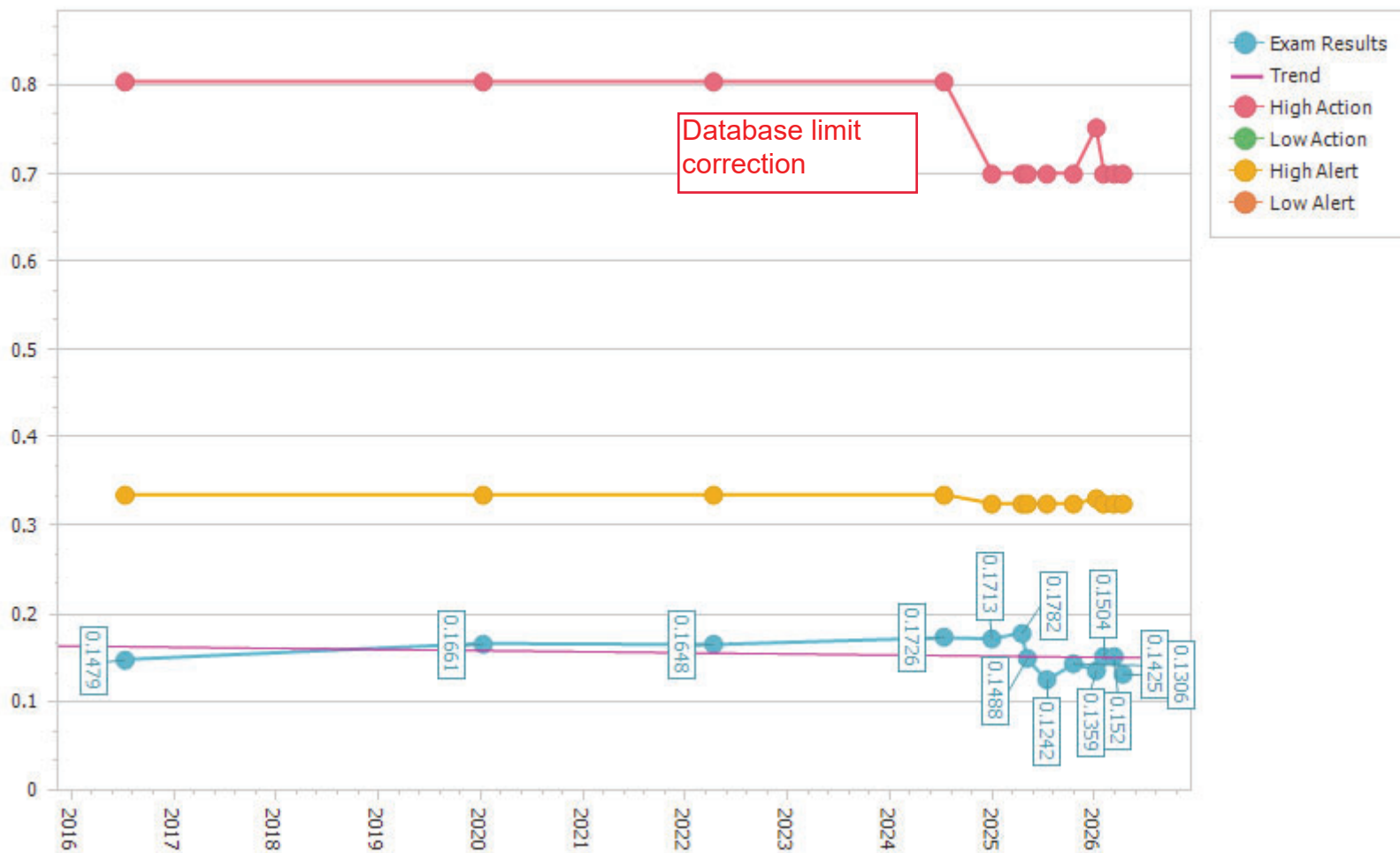
NOTE:	IF performing Step 7.7.13, THEN Steps 7.10.1 through 7.10.5, and 7.11.3 may be performed concurrently with Step 7.7.13. This allows the CL system to be returned to normal valve alignment and exit from the action statement during an extended run of 12 DDCLP.
--------------	---

7.7.13 IF performing this Surveillance Procedure in conjunction with additional testing, OR for chemical treatment, THEN maintain 12 DD CLG WTR PMP run for an extended duration.

IST Performance Trend Data (All Frequencies)

Summary No.	Component Id	Method	Unit of Measure
PINP-1-145-392	145-392	V - Horizontal (X)	IPS

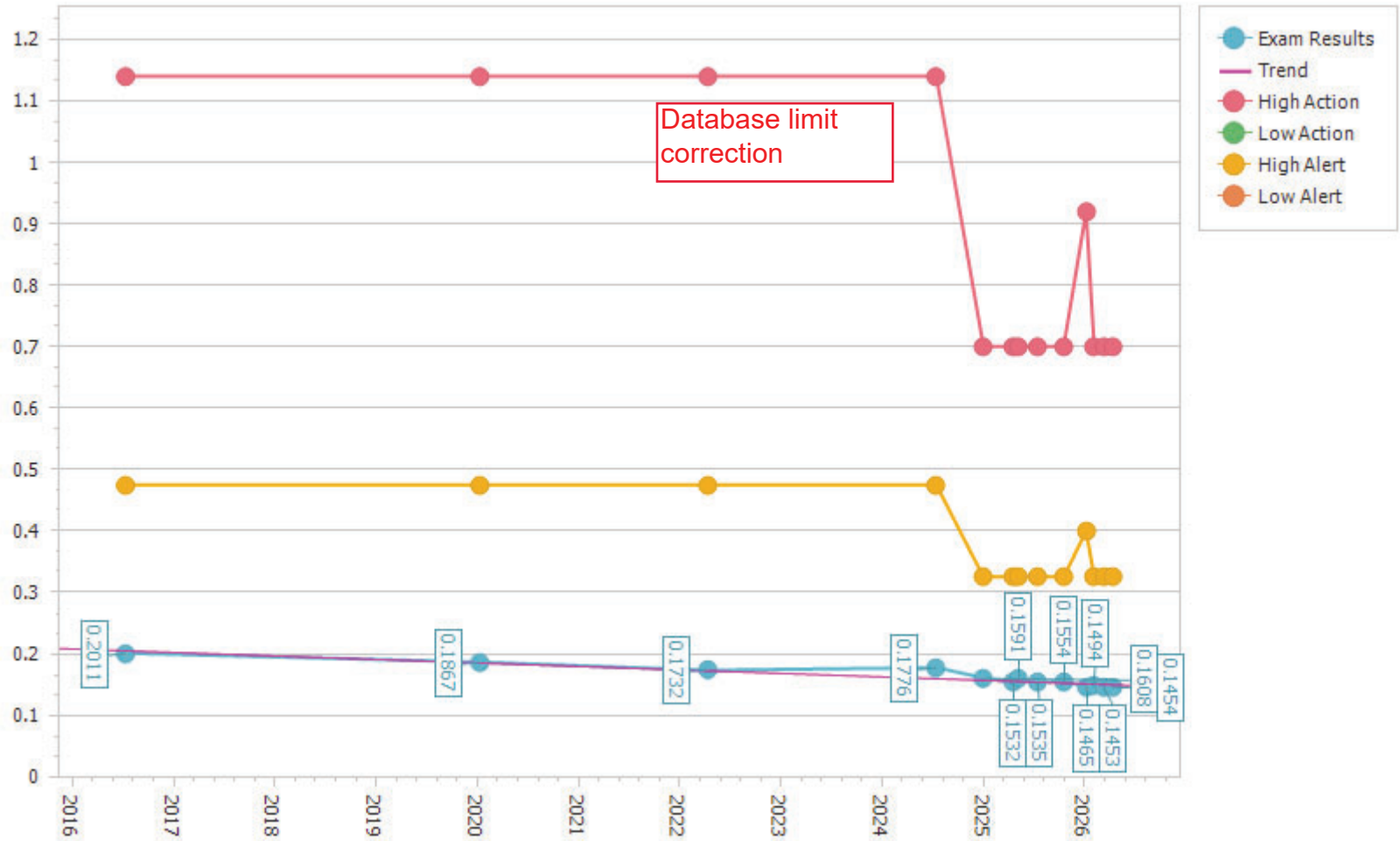
Last Test	Last Value
Slope (Trend)	46.7441



IST Performance Trend Data (All Frequencies)

Summary No.	Component Id	Method	Unit of Measure
PINP-1-145-392	145-392	V - Vertical (Y)	IPS

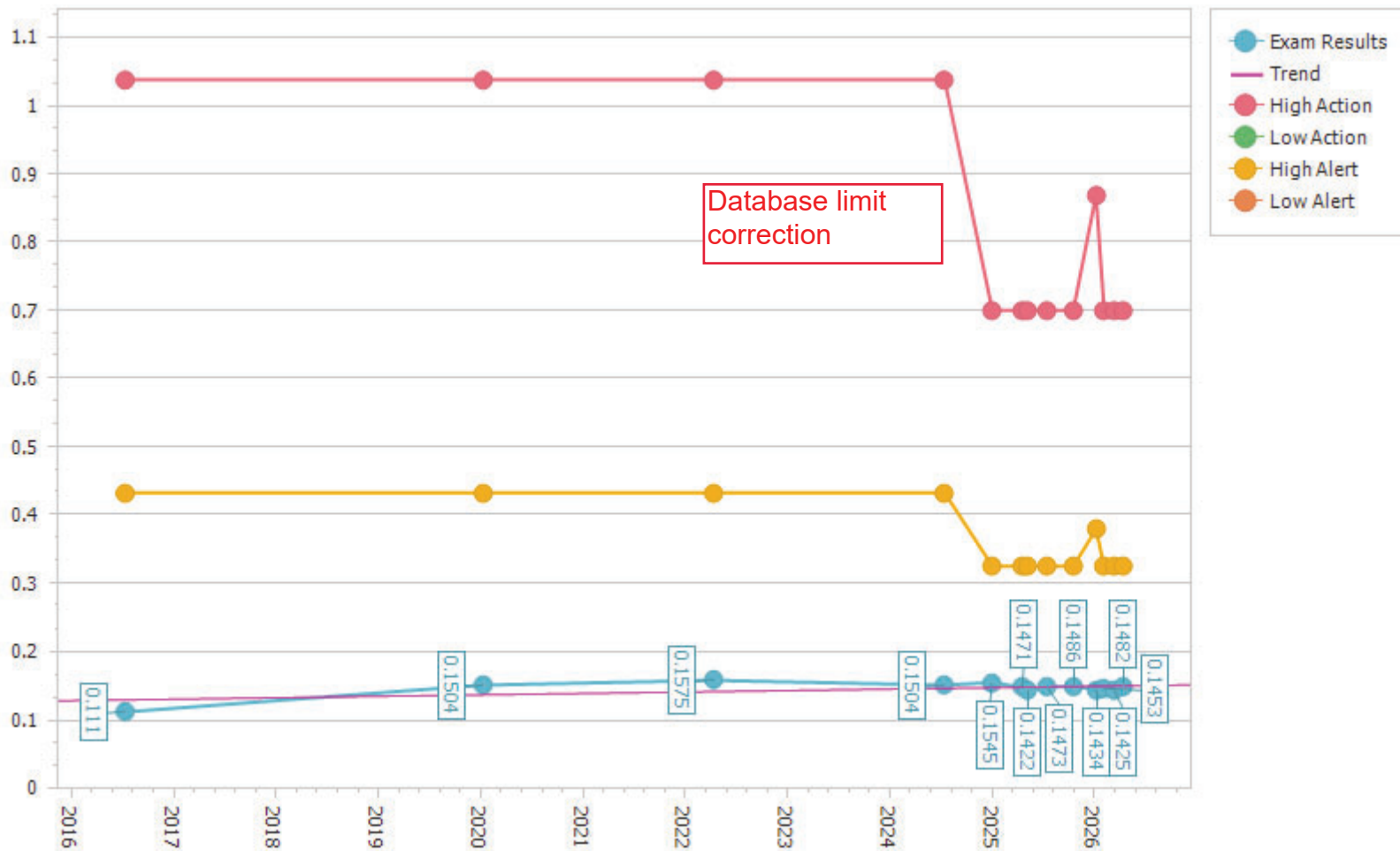
Last Test	Last Value
Slope (Trend)	46.7428



IST Performance Trend Data (All Frequencies)

Summary No.	Component Id	Method	Unit of Measure
PINP-1-145-392	145-392	V - Axial (A)	IPS

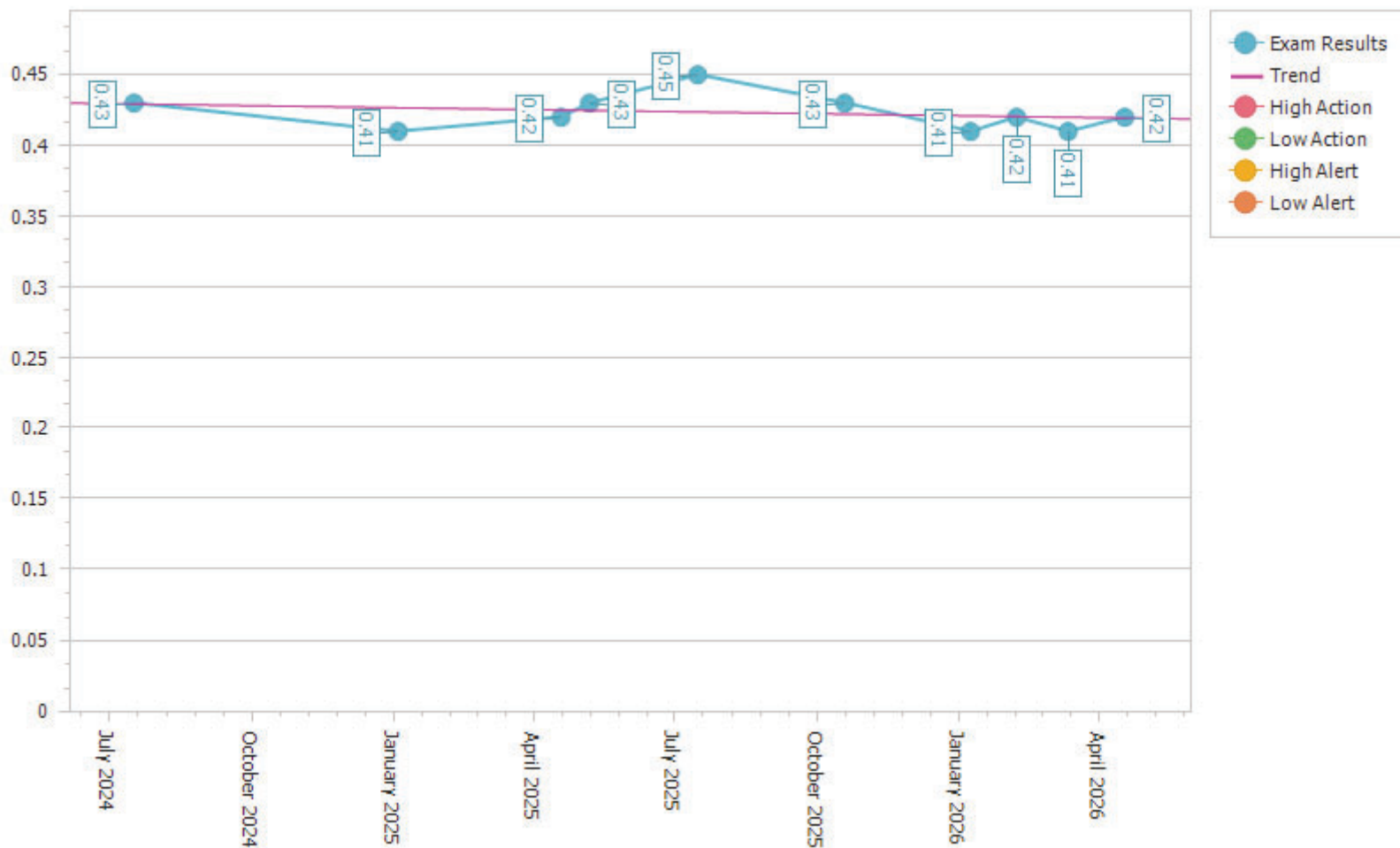
Last Test	Last Value
Slope (Trend)	46.7451



IST Performance Trend Data (All Frequencies)

Summary No.	Component Id	Method	Unit of Measure
PINP-1-145-392	145-392	V - Engine (28015)	IPS

Last Test	Last Value
Slope (Trend)	61.5642



IST Performance Trend Data (All Frequencies)

Summary No.	Component Id	Method	Unit of Measure
PINP-1-145-392	145-392	V - Gear/Pump (28030)	IPS

Last Test	Last Value
Slope (Trend)	61.5706

