	MAINTENANCE TRACKING TOOL PETTRACE800	Date:2023-10-16

Country: France	**Site:** SCL
Intervention:	Programmed maintenance: UBM/CBM ☑
Subsystems:	

PRE-MAINTENANCE

Registration Date: 2023-10-1300
Gas flow(sccm): 5.0

TPG Settings Verifications

	Low limit (x10-)	High limit (x10-)
Piranni 1 (TPG300 A1):	1.00E-1	1.00E-1
Piranni 2 (TPG300 A2):	7.00E-2	7.00E-2
Penning:	4.00E-5	8.00E-5

Notes

Gauge number	Pressure (x10-) without gas	Pressure (x10-) with gas
A1 (mbar):		5.1e-2
A2 Under Range:	☑	☑
A2:		
B1 (mbar):	9.0e-8	1.2e-5

System software

Subsytem	Version
Master:	
ACS:	
Service System:	
Manager:	
Informix (only applicable to SUN-Master Station):	

Comments

Paper Burn Before PM

Photos
There is not photographic evidence

VACUUM

TPG settings verifications

Date: 2023-10-16
Production gas flow: 5.0

Piranni 1 (TPG300 A1)

Pressure with gas	Low limit (x10-)	High limit
5.10E-2	1.00E-1	7.00E-1

Piranni 2 (TPG300 A2)

Under range	Pressure with gas	Low limit	High limit
☑	0.00E+0	7.00E-2	7.00E-2

Penning

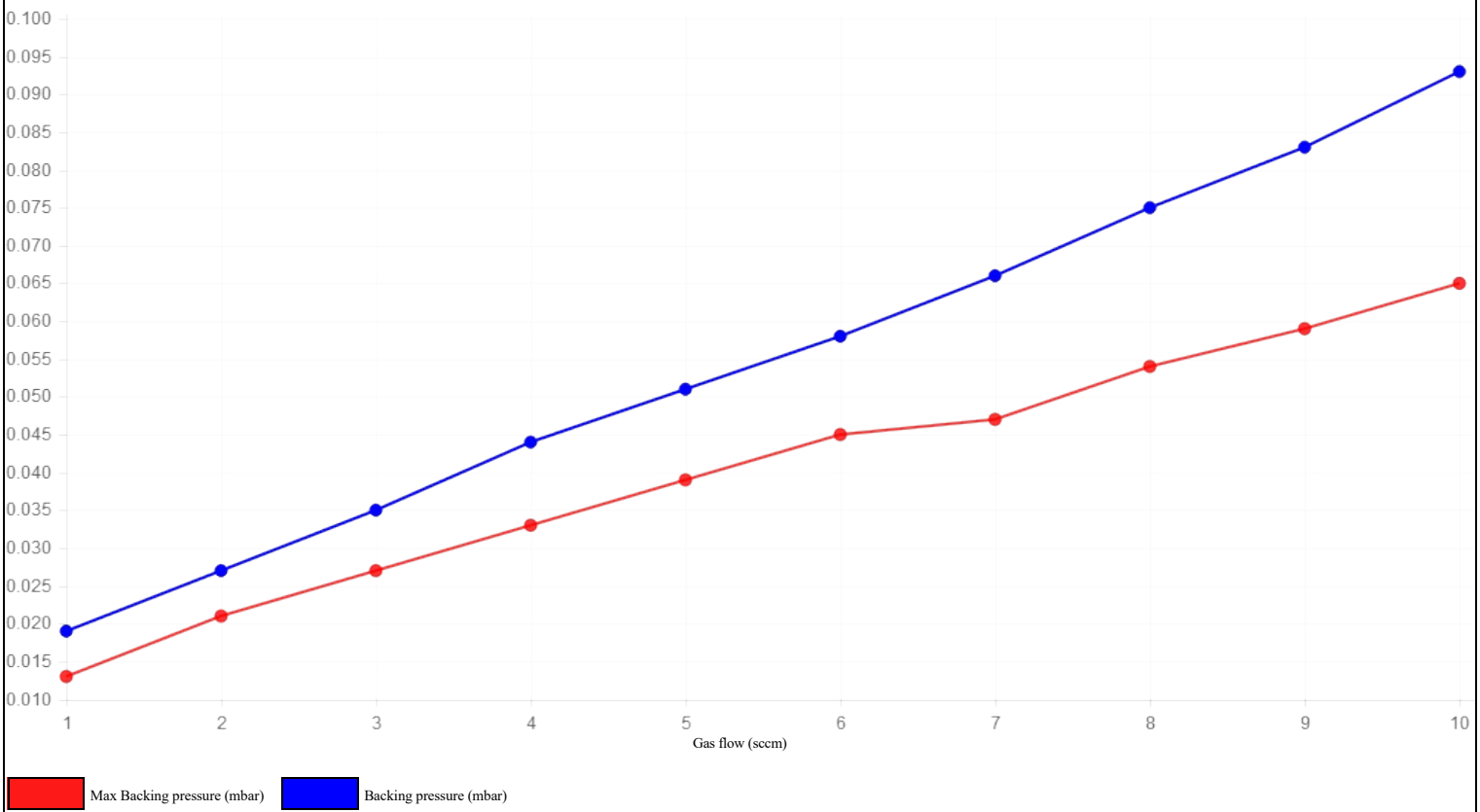
Pressure with gas	Low limit	High limit
1.20E-5	4.00E-5	8.00E-5

Notes

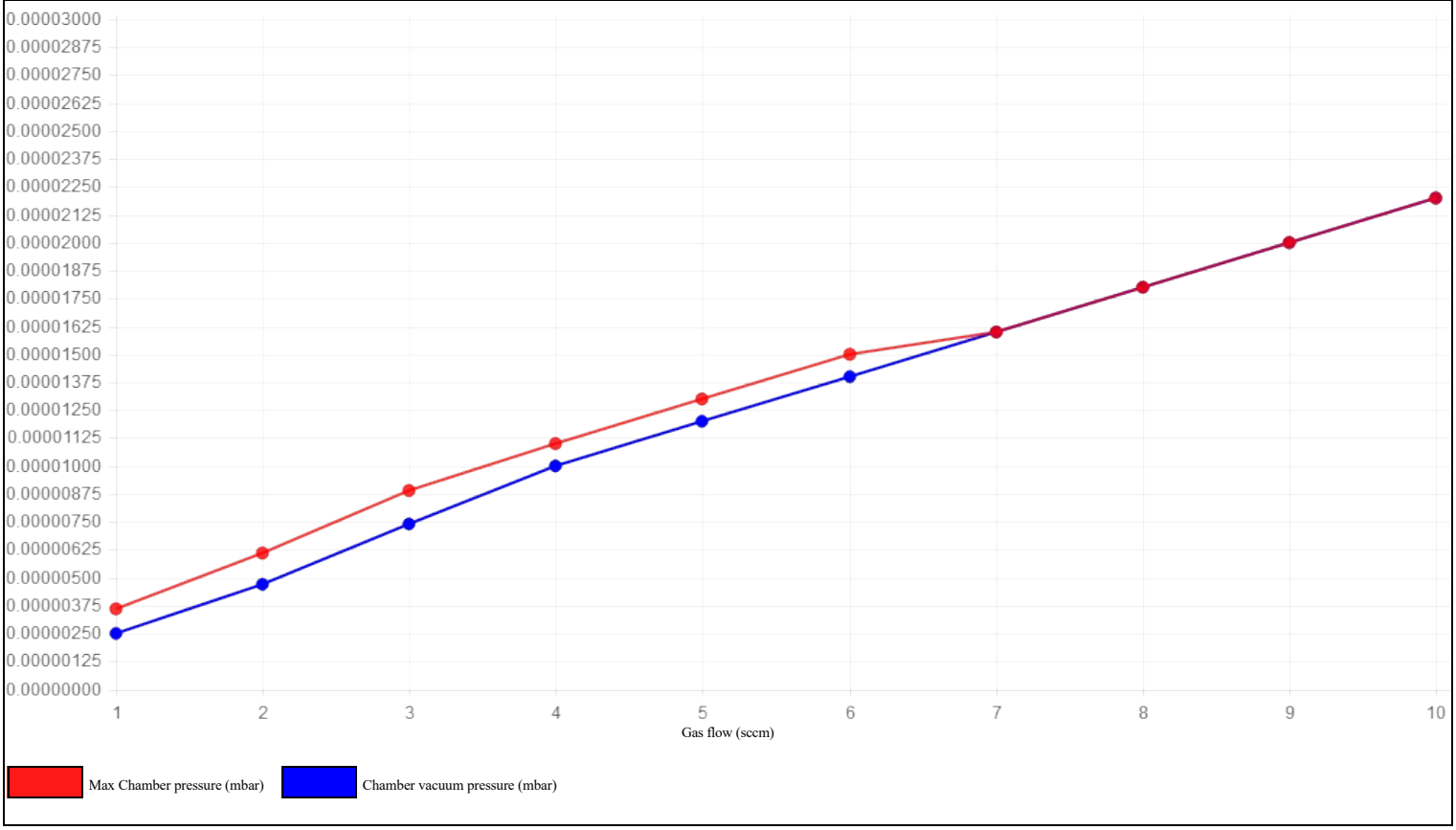
Vacuum MFC curve test

SCCM	Chamber pressure	Backing pressure
1	2.50E-6	1.90E-2
2	4.70E-6	2.70E-2
3	7.40E-6	3.50E-2
4	1.00E-5	4.40E-2
5	1.20E-5	5.10E-2
6	1.40E-5	5.80E-2
7	1.60E-5	6.60E-2
8	1.80E-5	7.50E-2
9	2.00E-5	8.30E-2
10	2.20E-5	9.30E-2

Backing Pressure

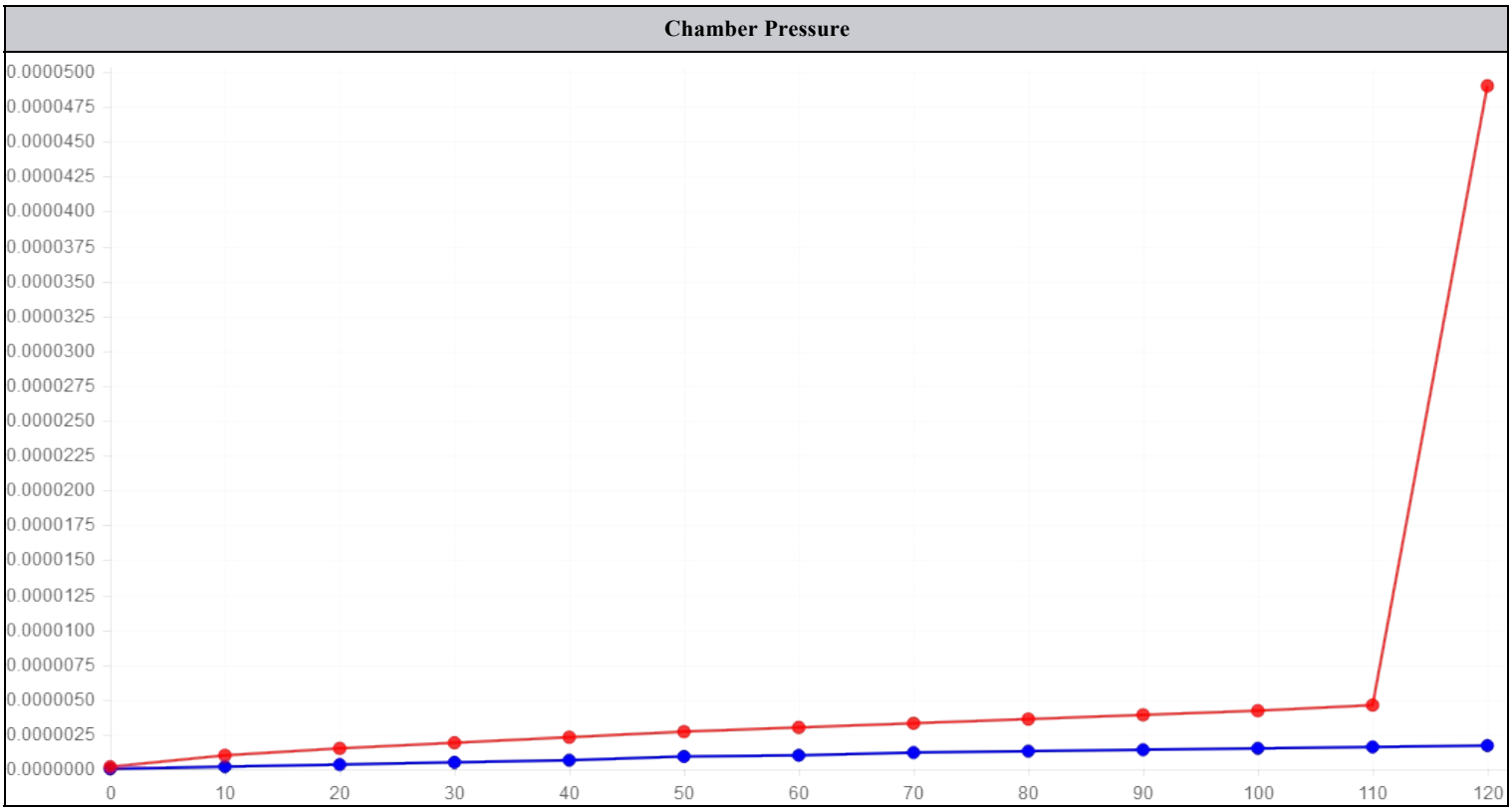


Chamber Pressure



Vacuum leak test

Seconds since push standby	Chamber pressure	Max. Chamber pressure
0	3.00E-8	1.80E-07
10	1.90E-7	1.00E-06
20	3.40E-7	1.50E-06
30	5.00E-7	1.90E-06
40	6.50E-7	2.30E-06
50	9.20E-7	2.70E-06
60	1.00E-6	3.00E-06
70	1.20E-6	3.30E-06
80	1.30E-6	3.60E-06
90	1.40E-6	3.90E-06
100	1.50E-6	4.20E-06
110	1.60E-6	4.60E-06
120	1.70E-6	4.90E-06



OtherTest

Name the test	He leakcheck
Test explanation	Vent the cyclotron. Connect the He leak detector to the penning exhaust. Start pumping with the machine. Wait vacuum is low enough and stable, and He concentration recorded low and stable. Apply He gas next to the seal you want to test and wait for detector response (between 30 and 60 minutes). If no increase of concentration, the seal is defective.