

Thruster test report



Tester:

Model: SM47 tester
Calibration Date: 20/09/2020
Version: 0.1
SN#: 1

Thruster:

Make: Seaeye
Model: SM4
SN#:

Selftest:

Parameter	Value	Units	OK/NOK
DC 36V voltage	36.31	VDC	OK
DC 250V voltage	253.17	VDC	OK
DC zero current	0.00	mA	OK
Electronics voltage Forward	24.20	VDC	OK
Electronics voltage Reverse	24.19	VDC	OK
Electronics zero current	0.00	mA	OK
Open loop earth continuity	2001	Ohm	OK
Open loop DC isolation	550	MOhm	OK
Open loop Electronics isolation	242	MOhm	OK

Thruster idle results:

DC 250V power consumption	0.82	W	OK
DC positive side isolation	550	MOhm	OK
DC negative side isolation	550	MOhm	OK
Electronics forward power consumption	2.53	W	OK
Electronics reverse power consumption	2.56	W	OK
Electronics positive side isolation	234	MOhm	OK
Electronics negative side isolation	234	MOhm	OK
Earth continuity	1	Ohm	OK

Thruster full load results:

Max power setting	100	%	
DC 250V power consumption	1110.12	W	OK
DC positive side isolation	550	MOhm	OK
DC negative side isolation	550	MOhm	OK
Electronics power consumption	3.06	W	OK
Electronics positive side isolation	232	MOhm	OK
Electronics negative side isolation	232	MOhm	OK
Thrust	20.7	KGf	OK

Stability test results:

Stability test duration	5	Min.	
Delta DC power consumption	170.24	W	OK
Delta Electronics power consumption	0.01	W	OK
Delta thrust	5.80	KGf	OK

Test Passed

Test completed by: Wouter Wellen

Signature:

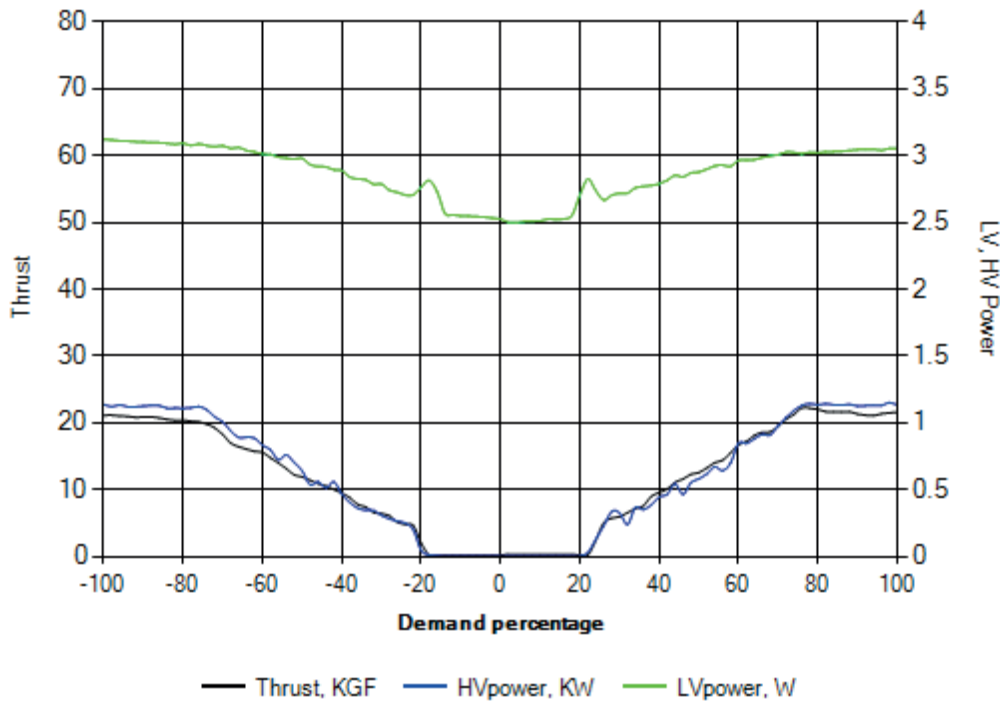
A handwritten signature in black ink, appearing to be "Wouter Wellen", written over a horizontal line.

Date: 09-11-2020

Thruster test report



Sweep across full demand range



Stability test

