

Thruster test report



Tester:

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

Thruster:

Make: Seaeye
Model: SM7

Selftest:

Parameter	Value	Units	OK/NOK
DC 36V voltage	36.01	VDC	OK
DC 500V voltage	505.83	VDC	OK
DC zero current	0.00	mA	OK
Electronics voltage Forward	24.19	VDC	OK
Electronics voltage Reverse	24.18	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 500V power consumption	5.02	W	OK
DC positive side isolation	550	MOhm	OK
DC negative side isolation	550	MOhm	OK
Electronics forward power consumption	0.60	W	OK
Electronics reverse power consumption	0.60	W	OK
Electronics positive side isolation	240	MOhm	OK
Electronics negative side isolation	240	MOhm	OK
Earth continuity	0	Ohm	OK

Thruster full load results:

Max power setting	84	%	
DC 500V power consumption	2292.56	W	OK
DC positive side isolation	550	MOhm	OK
DC negative side isolation	550	MOhm	OK
Electronics power consumption	0.48	W	OK
Electronics positive side isolation	240	MOhm	OK
Electronics negative side isolation	240	MOhm	OK
Thrust	53.1	KGf	OK

Stability test results:

Stability test duration	5	Min.	
Delta DC power consumption	313.89	W	OK
Delta Electronics power consumption	0.00	W	OK
Delta thrust	17.02	KGf	OK

Test Passed

Test completed by: Wouter Wellen

Signature:

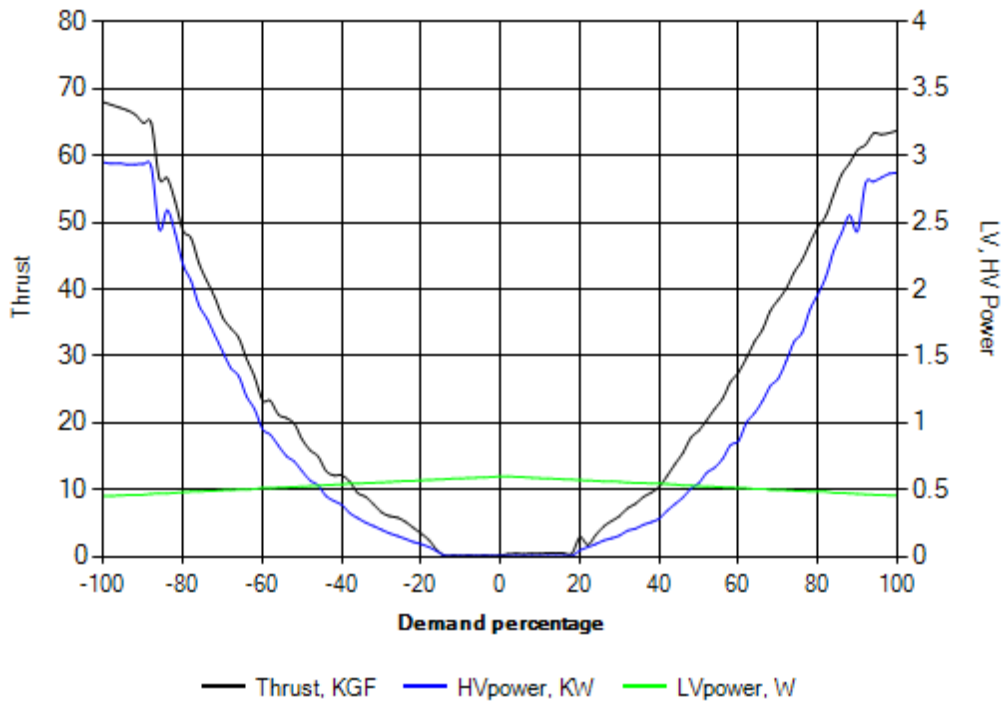


Date: 28-09-2020

Thruster test report



Sweep across full demand range



Stability test

