

SEAEYE SM4 INFORMATION

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Service report

The repair of the thruster will be document in our service report.

We will also determine the root cause of the failure if possible and generate statistics using codes.

For a detailed explanation of our root cause code system please [click here](#).

For a sample service report [click here](#).

Functional test

The thruster will be submerged in our 5 cubic meter test tank and connected to our automated tester. The functional test program consists of the following.

- Idle test.
- A sweep from full reverse to full forward.
- A stress test at 100% forward thrust. Standard duration is 5 minutes but can be prolonged upon client request.

For a sample [click here](#).

Pressure test

The standard pressure test is at 30 bars for 1 hour.

For a sample [click here](#).

List of parts replaced during standard service

PN.	Description
- 200138	O-ring nose cone
- 200149	O-ring end cap
- 7201B	Angular contact bearing
- 7202B	Angular contact bearing
- Filter01	Foam filter
- Filter02	Paper filter
- STF008	M8 nylock nut A4
- LC-067K-6	Compensator spring
- TH066	Compensator diaphragm
- VSEAL0012	V-seal
- 200007	O-ring Bleed screw
- 200014	O-ring penetrator
- 200014	O-ring Metal shell connector NBR
- N.A.	O-ring Metal shell connector FKM
- N.A.	Nylon retaining wire end cap
- N.A.	Vseal wear ring

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List of parts replaced when needed free of charge

PN.	Description
- 526-574	M3 lock washer
- 560-580	M3*6 screw
- STF004	M8 nut A4
- STF013	M8 washer A4
- N.A.	M5*10 High tensile countersunk screw
- N.A.	M4*20 Hex A4
- N.A.	M4 spring washer A4
- N.A.	M3*10 flathead screw
- N.A.	M3 washer
- N.A.	M3*7 plastic screw
- N.A.	M3*15 plastic spacer
- N.A.	FET insulation material

List of parts outside of standard service scope

PN.	Description
- M841/ROTOR	Rotor, Incl shaft P00909
- M841/STATOR	Stator NEW
- M841/STATOR	Stator REWIND
- P01950	Nose cone
- P01995	Thruster shaft bearing spacer
- TH035	Thruster end cap
- N.A.	Diaphragm cover cap
- N.A.	Diaphragm plastic base
- TH103-2	Rear bearing carrier
- TH103-3	Front bearing retainer
- TH103-4	Front bearing lock nut
- TH103-6	Thruster body
- TH103-8	Rear bearing retainer
- TH141	Shaft seal
- VH-300	Spiral retaining ring
- Y18-S11-A6	M5 bleedscrew
- 6016P	Thruster control PCB
- 6024P	Thruster control PCB
- N.A.	FET assembly
- ML001-1000	Thruster whip
- N.A.	Plastic PCB insulator plate
- N.A.	Plastic FET insulator plate