	COMMISSIONING REPORT Marine Engines	Version 04	CS010
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1. Commissioning Information

1.1 Engine Details		707519_IM – sec. 1.1
	Port	Starboard
Model		
Serial No.		

1.2 Commissioning Agent		Engine Owner	
Name		Name / Company	
Company		Address	
Address		Email	
Email		Phone	
Phone		Country	
Country		Area of Operation	

1.3 Installation Approval			
<p>STEYR MOTORS does not make physical engine installations. This Commissioning Report should be regarded as a tool to systematically check and assess the installation. That does not mean that by the check and signature on this form, the responsibility is either shared or overtaken by the person/company doing the check. The responsibility for the installation remains with the installing party or company. Any extras and/or alterations to the standard engine installation must be noted here or attached separately to this commissioning report for the installation to be considered for warranty approval. Any unapproved extras or alterations may invalidate the warranty.</p>			
Installation generally meets STEYR MOTORS installation recommendations:			
<input type="checkbox"/> YES	See Improvement Points (I) listed in the table of section 5.1	<input type="checkbox"/> NO	See Critical Points (C) listed in the table of section 5.1
Signature:		Place, Date:	

1.4 Start of Warranty		CS003_Dokument_Marine Engines -Limited Engine Warranty_06.03.2020
Registration Date		Date the vessel is delivered to the customer. Refer to chapter "Owner Registration" in Steyr Motors Limited Warranty.

2. General Information

2.1 Parties Concerned			
Selling Dealer			
Selling Distributor	(If different from selling dealer)		
Vessel Builder			
Sale Type	<input type="checkbox"/> Retail	<input type="checkbox"/> Wholesale	<input type="checkbox"/> Repetitive*
<small>*Section 3. Installation not required if installation is IDENTICAL to original commissioning of the repetitive sale. Same as serial number _____ submitted on ____/____/____.</small>			


2.2 Vessel Description			707519_IM – sec. 2.2
Model		Hull Type	
Name		HIN <small>(Hull Identification Number)</small>	
Date of Manufacture		Hull Material	
Displacement	kg	Motor/Sail	
Max. Passengers		Load Capacity	kg
LOA	m	Beam	m
LWL	m	Draft	m
Fuel Tank Capacity	L	Water Tank Capacity	L

2.3 Application Information			
Max. expected altitude (if not sea level)	m	Max. expected ambient air temperature	°C
Max. expected tilt angle in operation	°	Min. expected ambient air temperature	°C
Expected average annual operation hours	hrs	Max. expected sea water temperature	°C
Expected percent of high load operation	%	Expected percent of idle operation	%

2.4 Duty Rating			707245_OM – sec. W1
Commercial		Pleasure	
<input type="checkbox"/> High Output ≤300 hrs/yr	<input type="checkbox"/> Intermittent ≤1500 hrs/yr	<input type="checkbox"/> Medium Continuous ≤3000 hrs/yr	<input type="checkbox"/> ≤300 hrs/yr

2.5 Preservation History				707500_SM – sec. D5
	Date:	Issuer:	Date:	Issuer:
1 st Preservation:				
2 nd Preservation:				

2.6 Transmission / Propulsion						707519_IM – sec. 6
Drive Type	<input type="checkbox"/> Shaft	<input type="checkbox"/> Sterndrive	<input type="checkbox"/> Jet	<input type="checkbox"/> Other		
Model						
Serial No.	Port			Stbrd		
Coupler <small>(if not supplied by SMB)</small>	Make		Model		Serial No.	
Propeller / Impeller	Make		Model		Pitch	
					Dia.	

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3. Installation

3.1 Mounting			707519_IM – sec. 7.3, 7.4, 7.5
Port	Stbrd	Confirm that the following points have been inspected.	
<input type="checkbox"/>	<input type="checkbox"/>	Engine base – structure checked	
<input type="checkbox"/>	<input type="checkbox"/>	Rear mounts fitted to gearbox (not directly to engine)	
<input type="checkbox"/>	<input type="checkbox"/>	Engine aligned according to the manual and nuts torqued to 120 Nm	
<input type="checkbox"/>	<input type="checkbox"/>	Maintenance space around engine as specified in manual	
Nose Up	°	Engine installation angle (negative angle denotes nose down)	

3.2 Fuel			707519_IM – sec. 9
Fuel Type	<input type="checkbox"/> EN590	<input type="checkbox"/> Other _____	
Pre-Filter	Model	Flow Rate	L/h
Water Separator (if fitted)	Model	Flow Rate	L/h
Supply Line Dimensions	Length	m	ID mm
Return Line Dimensions	Length	m	ID mm
Supply Line Material	<input type="checkbox"/> Rigid	<input type="checkbox"/> Flexible	<input type="checkbox"/> Stainless Steel <input type="checkbox"/> Other _____
Fuel Tank Height	m		<input type="checkbox"/> above / <input type="checkbox"/> below engine inlet
Fuel Tank	<input type="checkbox"/> non return valve fitted		<input type="checkbox"/> tank vent unrestricted

3.3 Electrical			707519_IM – sec. 18
System	Voltage	<input type="checkbox"/> 12V <input type="checkbox"/> 24V	2 Pole System <input type="checkbox"/> Equipped <input type="checkbox"/> Tested
	Load*	A *Total electrical load required by vessel. See section 3.9	
Battery	CCA	Total Cable Length (+) & (-)	m
	Ah	Cable cross section	mm ² /AWG
Auxiliary Battery	CCA	Total Cable Length (+) & (-)	m
	Ah	Cable cross section	mm ² /AWG
Second Alternator	<input type="checkbox"/> Port	<input type="checkbox"/> 12V <input type="checkbox"/> 24V	Brand / Model
	<input type="checkbox"/> Stbrd	<input type="checkbox"/> 12V <input type="checkbox"/> 24V	Brand / Model
Main Switches and Fuses	Port		Starboard
Main Switch Short Circuit Current	A		A
Type of Fuse			
Fuse Rating	A		A

3.4 Exhaust System			707519_IM – sec. 10
Type	<input type="checkbox"/> Wet	<input type="checkbox"/> Dry	
Setup	<input type="checkbox"/> Muffler	<input type="checkbox"/> Waterlock	<input type="checkbox"/> Air Vent
Height of turbo centerline above waterline	mm	Height of highest point above waterline	mm
ID @ outlet	mm	ID @ turbo	mm

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3.5 Cooling System		707519_IM – sec. 8.2, 8.3, 8.4
<input type="checkbox"/> Raw water pump installed	Raw water pump brand/model*	
<input type="checkbox"/> Raw water pump supplied by SMB	Raw water pump flow rate*	L/h
*When pump not supplied by SMB	Raw water strainer brand/model	
	Raw water strainer flow capacity	L/h
	Suction hose diameter	mm

3.6 Instruments / Control System				707245_OM – sec. C1, C2
Instrument Panel	<input type="checkbox"/> Standard	<input type="checkbox"/> SOLAS	<input type="checkbox"/> Dual Station	
Throttle Control	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electronic	<input type="checkbox"/> Marex	
Display	<input type="checkbox"/> SCC2	<input type="checkbox"/> Other _____		

3.7 Engine Compartment Ventilation				707519_IM – sec. 11.4
Intake Area	mm ²	Ventilation Fan Installed	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Outlet Area	mm ²	Ventilation Fan Capacity	m ³ /min	

3.8 Fitted Engine Accessories			
Description	Part No.	SMB Supplied	Operation Confirmed
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

3.9 Electrical Load		(Devices supplied by circuits which are charged by engine alternators.)		
Device	Make / Model	Battery Circuit		Current
		Standard	Auxillary	
		<input type="checkbox"/>	<input type="checkbox"/>	A
		<input type="checkbox"/>	<input type="checkbox"/>	A
		<input type="checkbox"/>	<input type="checkbox"/>	A
		<input type="checkbox"/>	<input type="checkbox"/>	A
		<input type="checkbox"/>	<input type="checkbox"/>	A
		<input type="checkbox"/>	<input type="checkbox"/>	A
		<input type="checkbox"/>	<input type="checkbox"/>	A
		<input type="checkbox"/>	<input type="checkbox"/>	A
		<input type="checkbox"/>	<input type="checkbox"/>	A

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4. Sea Trial

4.1 Pre-Checks			
Port	Stbrd	Confirm that the following points have been inspected.	
<input type="checkbox"/>	<input type="checkbox"/>	Oil Level Checked	
<input type="checkbox"/>	<input type="checkbox"/>	Coolant Level Checked	
<input type="checkbox"/>	<input type="checkbox"/>	Gear Oil Level Checked	
<input type="checkbox"/>	<input type="checkbox"/>	Fuel System Bled	
		mbar	Fuel Suction Pressure @ Idle 500 mbar max.
		mbar	Fuel Backflow Pressure @ Idle 1000 mbar max.
		A	Fuel Pump Current @ Idle 10A (4-Cyl.) 15A (6-Cyl.) max. @ 20°C
4.2 Trial Measurements			
		km/h	Vessel Top Speed
		kg	Vessel Load Capacity @ Trial
		1/min	WOT RPM
		mbar	Exhaust Back Pressure @ WOT 150 mbar max.
		mbar	Fuel Suction Pressure @ WOT 500 mbar max.
		mbar	Fuel Backflow Pressure @ WOT 1000 mbar max.
		A	Fuel Pump Current @ WOT 10A (4-Cyl.) 15A (6-Cyl.) max. @ 20°C
		°C	Maximum Engine Coolant Temp. (ECT)
		°C	Maximum Engine Exhaust Temp. (EXT)
		°C	Maximum Engine Compartment Temp.
4.3 Post-Checks			
<input type="checkbox"/>	<input type="checkbox"/>	Oil Leakage	
<input type="checkbox"/>	<input type="checkbox"/>	Coolant Leakage	
<input type="checkbox"/>	<input type="checkbox"/>	Gear Oil Leakage	
<input type="checkbox"/>	<input type="checkbox"/>	Warning Indicators / Service Codes	
4.4 Photo / Attachment Checklist			
<input type="checkbox"/>	Vessel	<input type="checkbox"/>	Logfile @ WOT
<input type="checkbox"/>	Engine Bay	<input type="checkbox"/>	Logfile @ Idle
<input type="checkbox"/>	Propulsion System	<input type="checkbox"/>	Engine ECU Report
<input type="checkbox"/>	Fuel Pre-Filter	<input type="checkbox"/>	Engine ECU Setup
<input type="checkbox"/>	Raw Water Separator	<input type="checkbox"/>	Load Profile
<input type="checkbox"/>	Exhaust System	Engine must not have greater than 30 operating hours at time of sea-trial for warranty consideration.	
<input type="checkbox"/>	Control Station		
<input type="checkbox"/>	Dashboard		
<input type="checkbox"/>	Throttle Control		
<input type="checkbox"/>	Secondary Control Station (if fitted)		

All checklist items must be attached with this report and forwarded to STEYR Motors at:

commissioning@steyr-motors.com

- This report and attachments listed above should reach commissioning@steyr-motors.com not later than 60 days from the date of sea trial.
- To be considered for warranty registration approval, engine must be commissioned within 12 months from the date of dispatch from factory and less than 30 engine hours, whichever comes first.
- For detailed notes on installation see the "Installation Manual."

5. Finalization

5.1 Improvement Points / Critical Points		
I	C	Details
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	


5.2 End-User Handover		
<input type="checkbox"/>	Warranty Coverage	By signing this report, the end-user confirms the installation of the STEYR Motors products detailed above has been performed to his/her satisfaction and all components have been demonstrated with faultless operation.
<input type="checkbox"/>	Warranty Registration	
<input type="checkbox"/>	Engine Oil Dipstick	
<input type="checkbox"/>	Top-up Procedure	
<input type="checkbox"/>	Coolant Level	
<input type="checkbox"/>	Starting / Stopping Procedure	
<input type="checkbox"/>	Warning System	
<input type="checkbox"/>	Owner's Manual	

Date	End-User	Date	Commissioning Agent
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By signing this Report, the end-user agrees that STEYR Motors processes personal data according to point (b) of Art. 6 (1) of the General Data Protection Act in order to provide you with the STEYR MOTORS LIMITED WARRANTY for your STEYR product.

Your personal data will be stored for the time of your STEYR MOTORS LIMITED WARRANTY or a maximum of five years after the fulfilled warranty registration by STEYR MOTORS. You have the right to request access and rectify or erase your personal data or restrict or object data processing as contractual requirement. You are obliged to provide your personal data for your warranty registration. If you reject providing the data requested above, STEYR MOTORS cannot provide any STEYR MOTORS LIMITED WARRANTY to you.

Contact details of the data controller: STEYR MOTORS BETRIEBS GmbH, Im Stadtgut B1, A-4407 Steyr, Austria

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6. Photos

Photos including but not limited to:	
<ul style="list-style-type: none"> - Vessel - Exterior Waterline - Control Station - Control Panel - Engine Compartment 	<ul style="list-style-type: none"> - Exhaust System - Ventilation System - Fuel Lines, Filters, and Tank - Water Lines, Hoses, Filters - Batteries, Electrical Connections