
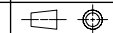


1 2 3 4 5 6 7 8

A
B
C
D
E
F

Net Weight		0,001						
1	001	PAAD367858	LEAKAGE COLLECTION/WASHING SYS.	DAAD136517		0,001		
Quantity	SEQ NO	Material ID	Material Name	Dimension, Occ	Standard or Drawing	Basic Material Material Standard	Weight GR./NET	
PAAD367859	Free space for lic.					Q-Code XXXXXX	Main Drw. H	
						Standard ISO; JIS		
Material ID	Modif.							
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	
				Product 5-8X62DF 5-8X62DF-1.1	LEAKAGE COLLECTION/WASHING SYS.			
					LEAKAGE COLLECTION/WASHING SYS.			
Units	mm kg	NX			Basic Material		Net Weight	
SURFACE PROTECTION SEE GROUP 0344		Made	23.10.2020 Sudant Deogade		Scale	-	Size A3	
TOLERANCING PRINCIPLE ISO8015		Chkd	26.04.2021 jpi101 Pickup		Page	1/1	Material ID	
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd	26.04.2021 mhu019 Hug		Design Group	9724		
		Drawing ID	DAAD136518				Rev.	-

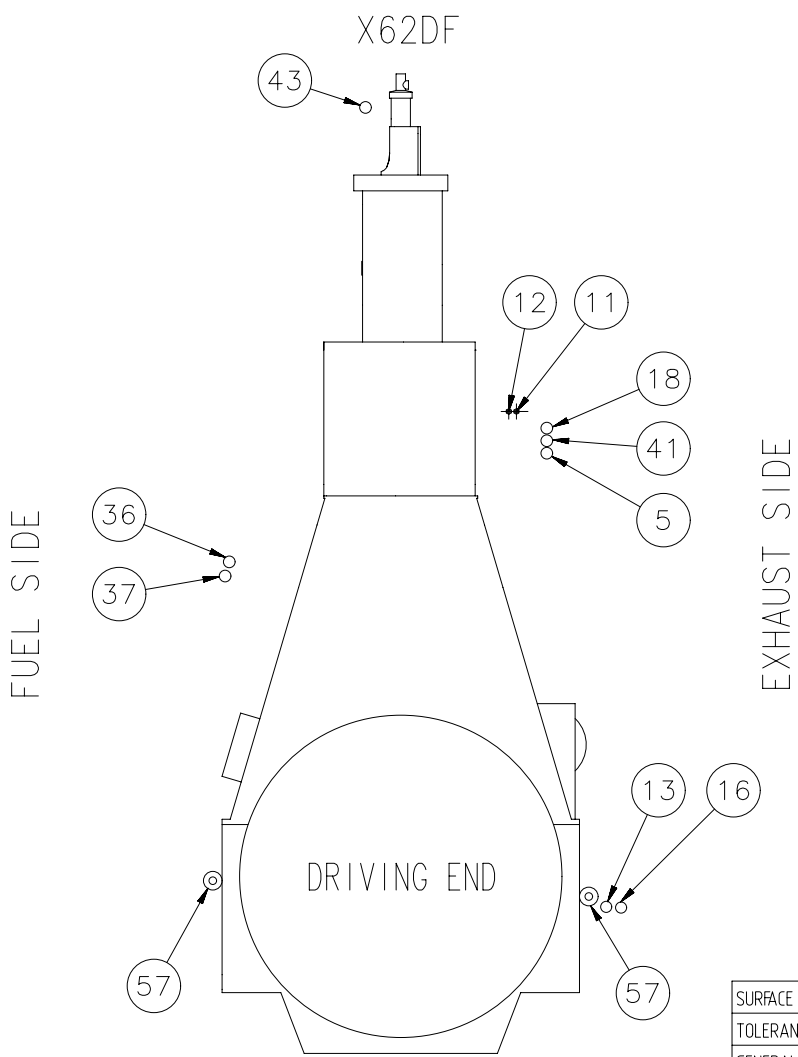
Approved
FD - PRODUCTION DRAWING - Confidential

1 2 3 4 5 6 7 8

SPECIFICATION which must be met

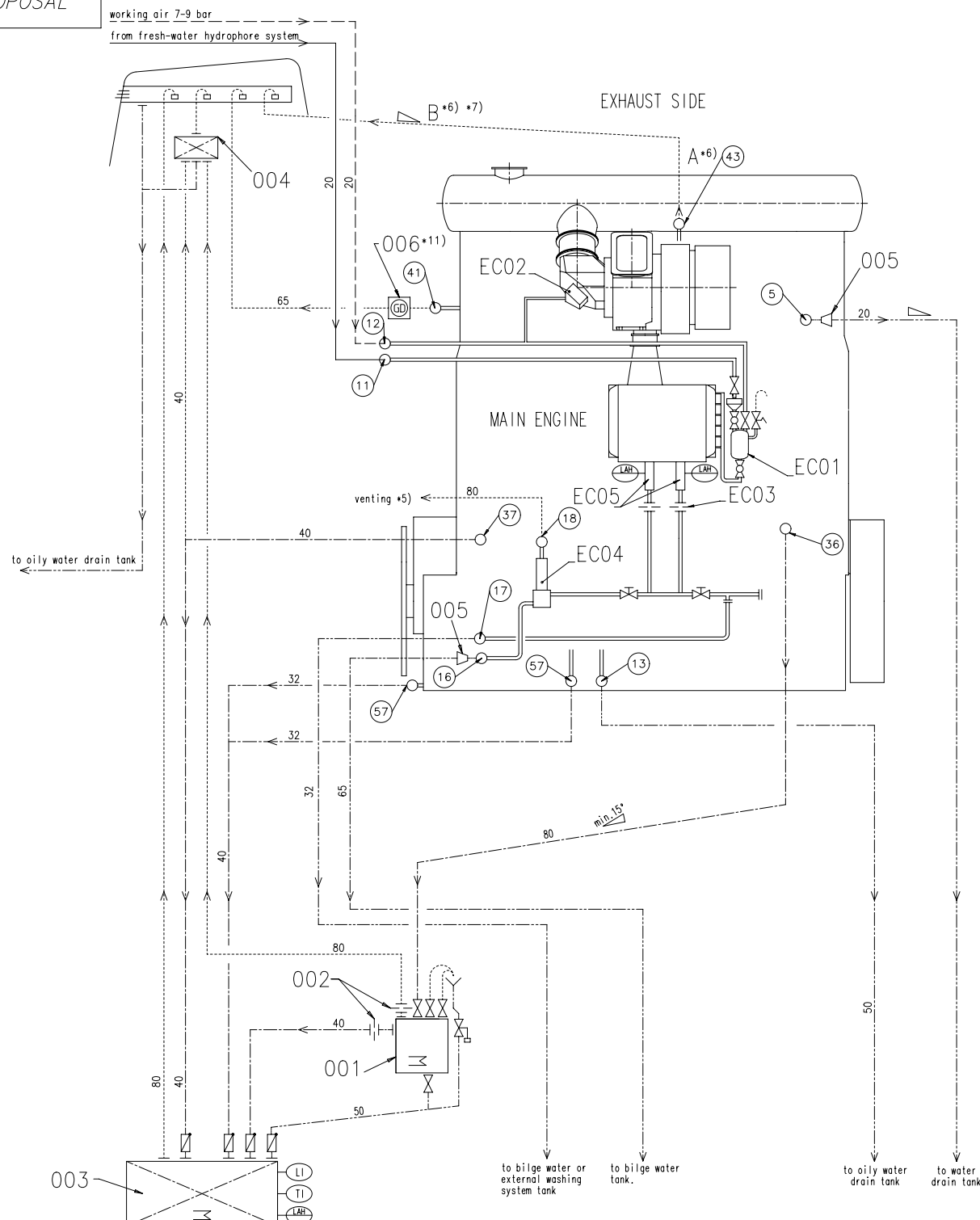
- A
- 41 OUTLET - Venting crankcase
- Venting to funnel
- Must not be connected to other venting pipes.
 - 43 OUTLET - Venting turbocharger
- Venting to funnel
- Minimum inclination according to TC suppliers specification
- Must be not connected to other venting pipes.
- B
- 57 OUTLET - Various leakages
- Gravity flow to sludge tank or appropriate tank.

- 5 OUTLET - Cylinder cooling water drain.
- Gravity flow to cooling water drain tank or appropriate tank.
- 11 INLET - Washing water SAC
- From fresh water hydrophore system, supply pressure: 2.5 bar
- 12 INLET - Air for cleaning plants TC and SAC
- Working air, supply pressure: 7-9 bar
- 13 OUTLET - Oily water from scavenge air receiver
- Gravity flow to oily water tank or appropriate tank.
- 16 OUTLET - SAC condensate water
- Gravity flow to bilge water tank or appropriate tank.
- 17 OUTLET - Washing water from scavenge air coller.
- Gravity flow to bilge water or chemical cleaning tank.
- 18 OUTLET - SAC venting
- Free flow outside of engine room
- 36 OUTLET - Dirty oil piston underside
- Flow with SAC pressure to sludge oil trap or appropriate arrangement.
- Min. inclination of drain pipe: 15°
- 37 OUTLET - Leakage oil gland box
- Gravity flow to sludge tank or appropriate tank.



1	001	107.425.369.500	SLUDGE OIL TRAP	107.425.369		0,001
QTY	SEQ NO	Material ID	Material Name	Standard or Drawing	Basic Material Material Standard	Weight GR./NET
					Q-Code XXXXXX	Main Drw.
					Standard ISO; JIS	
Free space for lic.						
Modif.						
	Number	Drawn date	Number	Drawn date	Number	Drawn date
			Product 5-8X62DF	LEAKAGE COLLECTION/WASHING SYS. SYSTEM DIAGRAM LEAKAGE COLLECTION/WASHING SYS.		
Units	mm kg	NX	Basic Material			Net Weight 0,001
SURFACE PROTECTION SEE GROUP 0344			Made	23.10.2020	Sudant Deogade	Scale -
TOLERANCING PRINCIPLE ISO8015			Chkd	26.04.2021	jpi101 Pickup	Size A3 Page 1/2
GENERAL TOLERANCES ACCORDING TO ISO2768-mK			Appd	26.04.2021	mhu019 Hug	Material ID PAAD367858
			Design Group	9724	Drawing ID DAAD136517	Rev. -

SYSTEM PROPOSAL



Turbocharger type	A *7)	B *8)	Min. Inclination
1x A170	65	65	>5°
1x A175	65	65	>5°
1x A180	80	80	>5°
2x A165	65	80	>5°
2x A170	65	90	>5°
2x A175	65	100	>5°
1x A185	80	80	>5°
1x MET53MB	65	65	>3°
1x MET60MB	80	80	>3°
1x MET66MB	80	80	>3°
2x MET42MB	50	65	>3°
1x MET71MB	80	80	>3°
2x MET53MB	65	80	>3°
1x MET83MB	100	100	>3°
2x MET60MB	80	100	>3°

Pos.	SYSTEM COMPONENTS *1)
001	Sludge oil trap (according to separate drawing)
002	Throttling disc (size shown on separate sludge oil trap drawing)
003	Sludge or appropriate tank
004	Air vent manifold
005	Transition piece (adaptor) *9)
006	Gas detector *11)

Pos.	ENGINE CONNECTIONS *2)
5	OUTLET - Cylinder cooling water drain
11	INLET - Washing water SAC
12	INLET - Air for cleaning TC and SAC
13	OUTLET - Oily water from scavenge air receiver
16	OUTLET - SAC condensate water *4)
17	OUTLET - Washing water from scavenge air coller
18	OUTLET - SAC venting *5)
36	OUTLET - Dirty oil piston underside
37	OUTLET - Leakage oil gland box
41	OUTLET - venting crankcase
43	OUTLET - Venting turbocharger
57	OUTLET - Various leakages

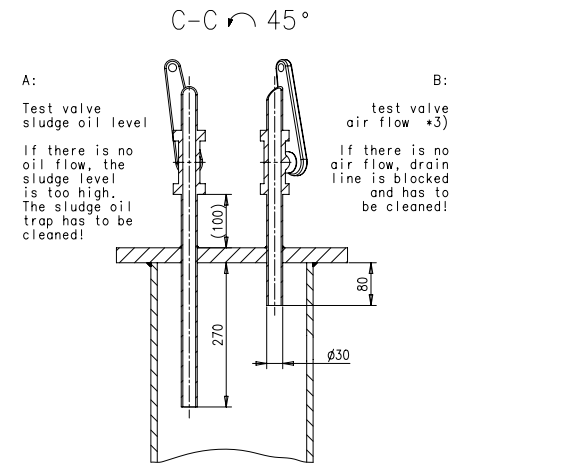
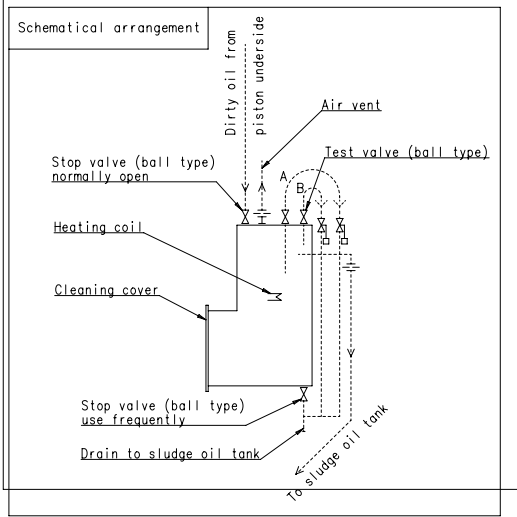
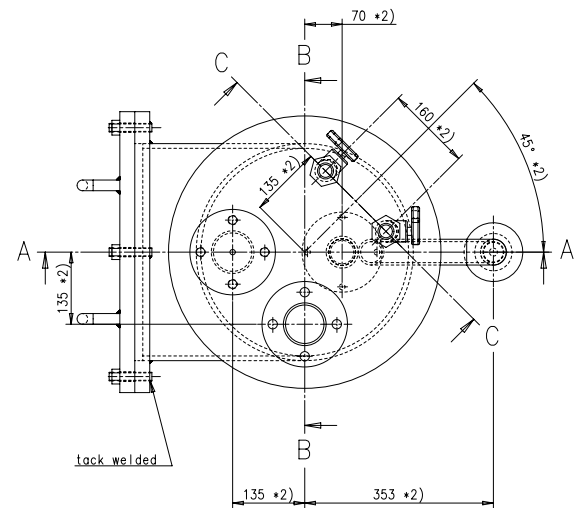
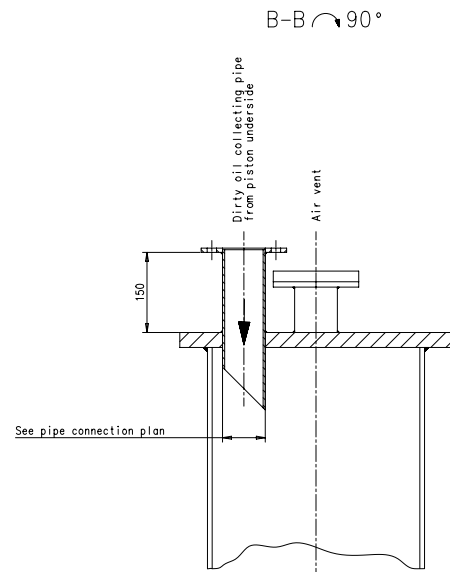
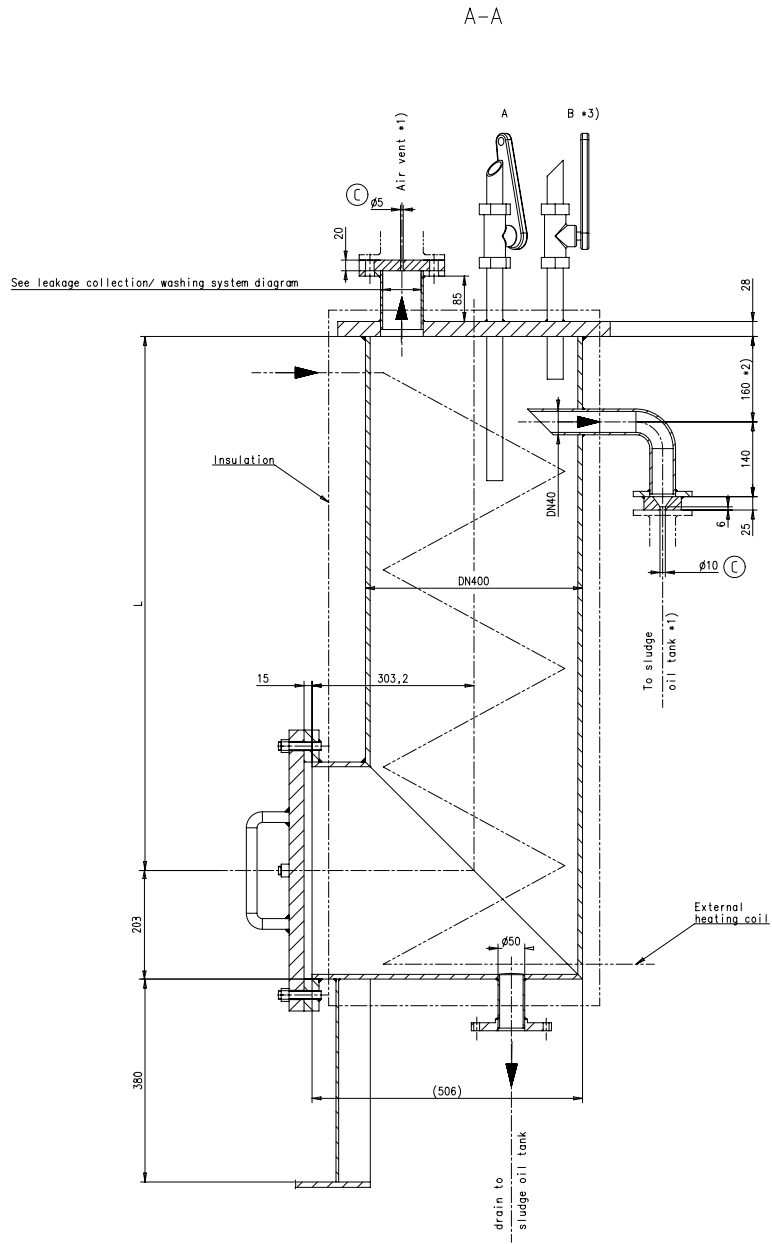
Pos.	ENGINE COMPONENTS *3)
EC01	Scavenge air cooler washing plant
EC02	Dry cleaning device
EC03	Throttling disc
EC04	Venting Unit
EC05	Condensate drain unit

Remarks

- Air vent and drain pipes must be fully functional at all inclination angles of the ship at which the engine must be operational.
- *1) To be delivered by external suppliers and to be installed by the shipyard.
- *2) Refer to the "Pipe Connection Plan" for the execution and location of the engine pipe connections.
- *3) To be delivered by the engine manufacturer, i.e. already equipped on engine side
- *4) The amount of condensate water drained off after the SAC depends on the relative air humidity and the scavenge air temperature before and after the SAC. Under extreme ambient conditions a maximum condensate quantity of up to 0.16 kg/kWh may be produced.
- *5) Free flow venting outside of engine room.
- *6) In relation to turbocharger type, see table on the left side
- *7) Vent pipe diameter as per turbocharger requirements.
- *8) Vent pipe diameter of common collection pipe.
- *9) Installed as required (check with the Pipe Connection Plan).
- *10) Drain connections 13 and 16 include air flow from scavenging system. It is recommended to connect these drains to different tanks. The tanks must be designed with sufficiently sized vents to avoid excessive pressure in the tanks. The drain amount depends on the ambient conditions.
- *11) Optional, if requested by the flag state and/or class to achieve IGC compliance.

- Compressed air pipes
- Air vent pipes
- . - . - . Drain & overflow pipes
- Washing water pipes
- Dirty oil drain pipes
- Pipes on engine
- pipe connections

Free space for use		D-Code XXXXXX Standard ISO, JIS		Main Drw.	
Mod.	Number	Drawn date	Number	Drawn date	Number
0					
		Product 5-8x62DF		LEAKAGE COLLECTION/WASHING SYS. SYSTEM DIAGRAM LEAKAGE COLLECTION/WASHING SYS.	
Units	mm kg	NX	Basic Material	Scale	Page 2/2
SURFACE PROTECTION SEE GROUP 0344		Made	23.10.2020	Sudant	Deogade
TOLERANCING PRINCIPLE ISO8015		Chd	26.04.2021	jar101	Pickup
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Apod	26.04.2021	mhu019	Hug
		Design Group	9724	Material ID	DAAD136517
		Net Weight	0,001		
		Material ID	PAAD367858		
		Rev.	-		



SURFACE PROTECTION SEE GROUP 0344 TOLERANCING PRINCIPLE ISO8015 GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Made 31.08.2009 J.BAUMANN App'd 13.11.2009 JBA020 Baumann		Scale 1:5 Size A1 Page 1/1		Material 107.4.25.369.500 Drawing ID 107.4.25.369 Rev. C		Net Weight 0.001 107.4.25.369.500	
WINGD Winkler Gas & Diesel				Product W-25 SLUDGE OIL TRAP		G-Code XXXXX Standard ISO, JIS		Main Drw.	

Remarks:		
*1) Orifice to be as shown		
*2) Observe location of pipes with regard to each other		
*3) Optional - Alternatives, such as level sensors, are possible		
Details:	Cylinder bore size:	L = 1000 L = 550
	Capacity:	55-96 35-54
	Working pressure:	4 bar
	Testing pressure:	6 bar
	Temperatur:	80°C

WinGD-X62DF/1.1 LEAKAGE-COLLECTION and WASHING-SYSTEM

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2021-05-04	DRAWING SET	First web upload

DISCLAIMER

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