

	1	2	3	4	5	6	7	8
A								
B								
C								
D								
E								
F								

Net Weight							
0,001							
1	001	PAAD104016	LEAKAGE COLLECTION/WASHING SYS.			DAAD032750	
			0,001				

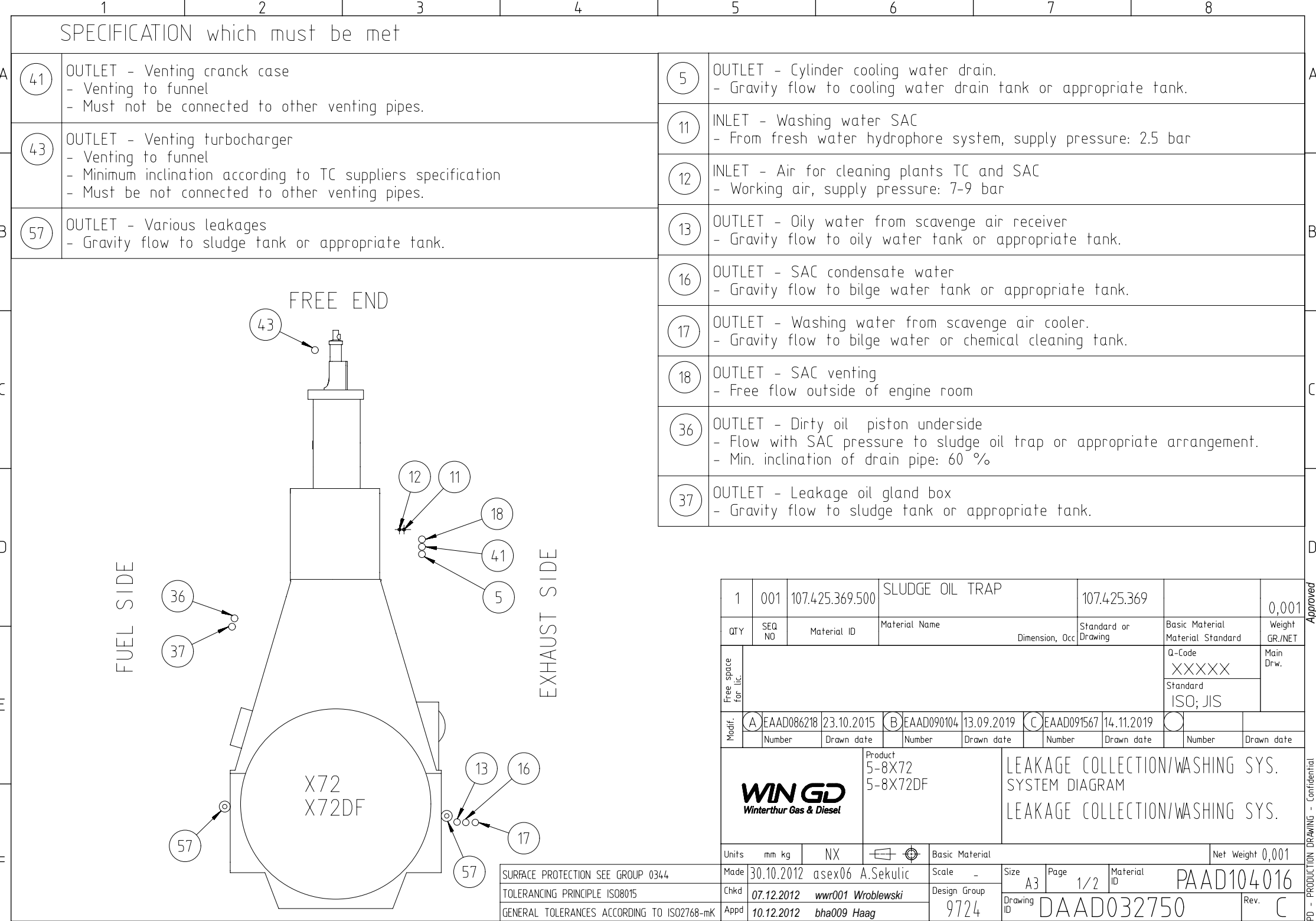
Quantity	SEQ NO	Material ID	Material Name	Dimension, Occ	Standard or Drawing	Basic Material Material Standard	Weight GR./NET
PER ENGINE							

PAAD104023 Material ID	Free space for lic.						Q-Code XXXXXX	Main Drw.
							Standard ISO; JIS	H
	Modif.	A	EAAD090104	12.09.2019				
		Number	Drawn date		Number	Drawn date		Number
								Drawn date

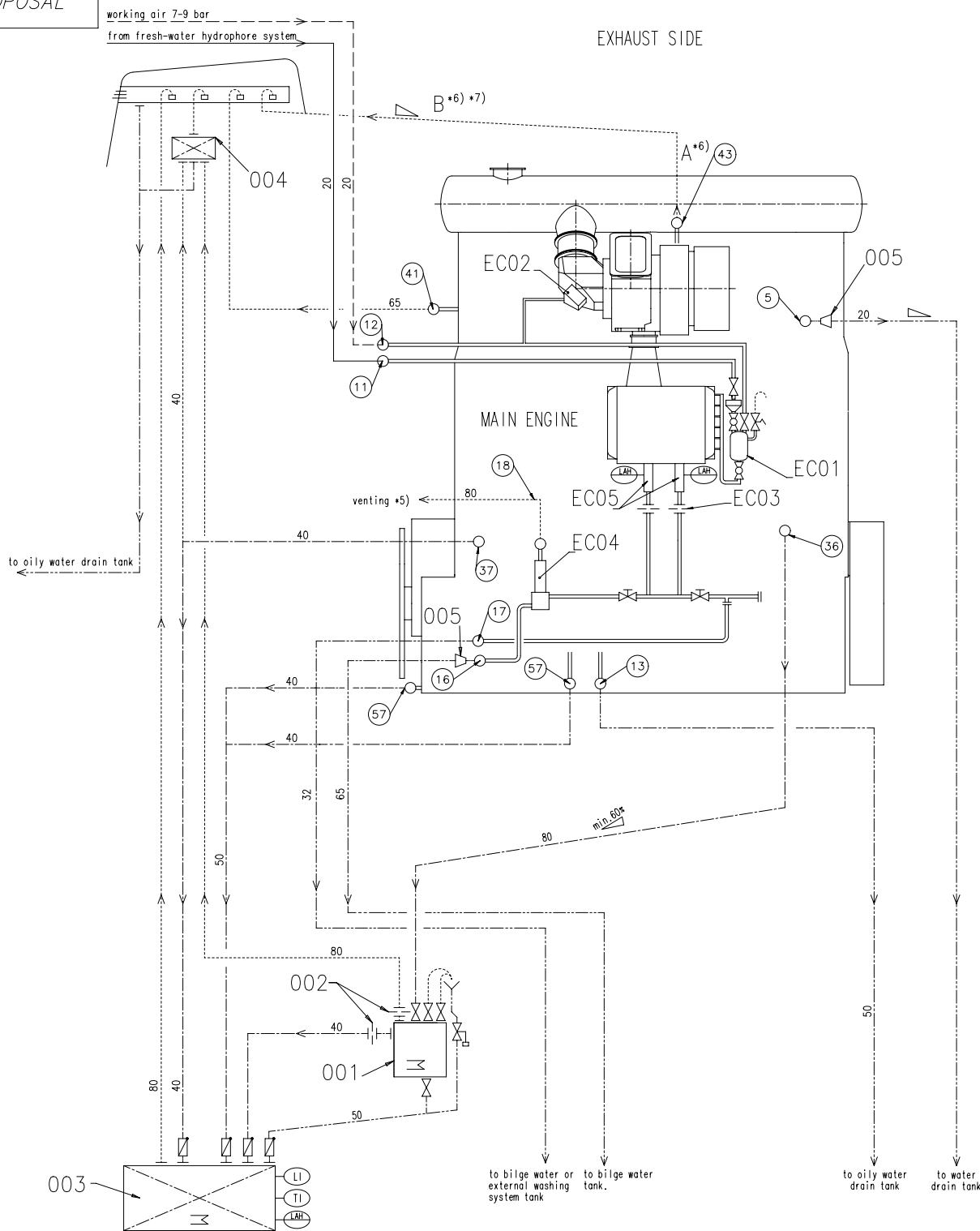
<div> <div>WIN GD</div> <div>Winterthur Gas & Diesel</div> </div>	Product W5-8X72 W5-8X72DF		LEAKAGE COLLECTION/WASHING SYS.				
			LEAKAGE COLLECTION/WASHING SYS.				

Units	mm kg	NX		Basic Material			Net Weight
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SURFACE PROTECTION SEE GROUP 0344	Made	30.10.2012	asex06	A.Sekulic	Scale	-	Size	A3	Page	1/1	Material ID	
TOLERANCING PRINCIPLE ISO8015	Chkd	07.12.2012	wwr001	Wroblewski	Design Group							
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	10.12.2012	bha009	Haag	9724	Drawing ID	DAAD032760				Rev.	A



SYSTEM PROPOSAL



Turbocharger type	A *7)	B *8)	Min. Inclination
1x A165	65	65	>5°
1x A265	65	65	>5°
1x A170	65	65	>5°
1x A270	65	65	>5°
1x A175	65	65	>5°
1x A275	65	65	>5°
1x A180	80	80	>5°
1x A280	80	80	>5°
1x A185	80	80	>5°
1x A285	80	80	>5°
2x A165	65	80	>5°
2x A170	65	90	>5°
2x A175	65	100	>5°
2x A180	80	100	>5°
2x A185	80	125	>5°
2x A190	80	125	>5°
1x MET53MB	65	65	>3°
1x MET60MB	80	80	>3°
1x MET66MB	80	80	>3°
1x MET71MB	80	80	>3°
1x MET83MB	100	100	>3°
2x MET53MB	65	80	>3°
2x MET60MB	80	100	>3°
2x MET66MB	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)

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 scavange air receiver *10)
16	OUTLET - SAC condensate water *4) *10)
17	OUTLET - Washing water from scavange air cooler.
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	Scavange 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 scavange 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 connection 13 and 16 are with 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.

Free space for file		G-Code XXXXXX Standard ISO, JIS		Main Dwg.		
Modell	EAAD086218	23.10.2015	EAAD090104	13.09.2019	EAAD09567	16.11.2019
Number	5-8X72	Drawn date	5-8X72DF	Number	5-8X72DF	Drawn date
WINGO Wärmerher Gas & Diesel Ltd		Produkt 5-8X72 5-8X72DF		LEAKAGE COLLECTION/WASHING SYS. SYSTEM DIAGRAM LEAKAGE COLLECTION/WASHING SYS.		
Units	mm	kg	NX	Basic Material	Scale	Size
MADE	30.10.2012	asex06	A.Sekulic	Scale	-	Size
Chd	07.12.2012	war001	Wroblewski	Design Group		Page
Appt	10.12.2012	bha009	Haag	9724	DAAD032750	Rev.
SURFACE PROTECTION SEE GROUP 0344		TOLERANCING PRINCIPLE ISO8015		GENERAL TOLERANCES ACCORDING TO ISO2768-mS		Net Weight 0,001
PAAD104016		C				

MIDS - WinGD-X72/DF - LEAKAGE-COLLECTION and WASHING-SYSTEM (DG9724)

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2016-10-16	DRAWING SET	First web upload
2017-08-18	107.425.369	Sludge trap drg -new drawing revision
2018-10-02	107.425.369	Sludge trap drg -new drawing revision
2019-09-18	DAAD032760 DAAD032750	Main and System drg - new revision
2020-09-01	DAAD032750	System drg - new revision

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