


Net Weight		0.001					
Quantity	SEI NO	Material ID	Material Name	Dimension/Occ. Dimension	Standard or Drawing	Basic Material Material Standard	Weight GR./NET
1	002	107.425.369.500	SLUDGE OIL TRAP		107.425.369		0.001
1	001	PAAD104016	LEAKAGE COLLECTION/WASHING SYS.		DAAD032750		0.001

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

	Product	W4-8X72	LEAKAGE COLLECTION/WASHING SYS. SYSTEM DIAGRAM
	Units mm kg		

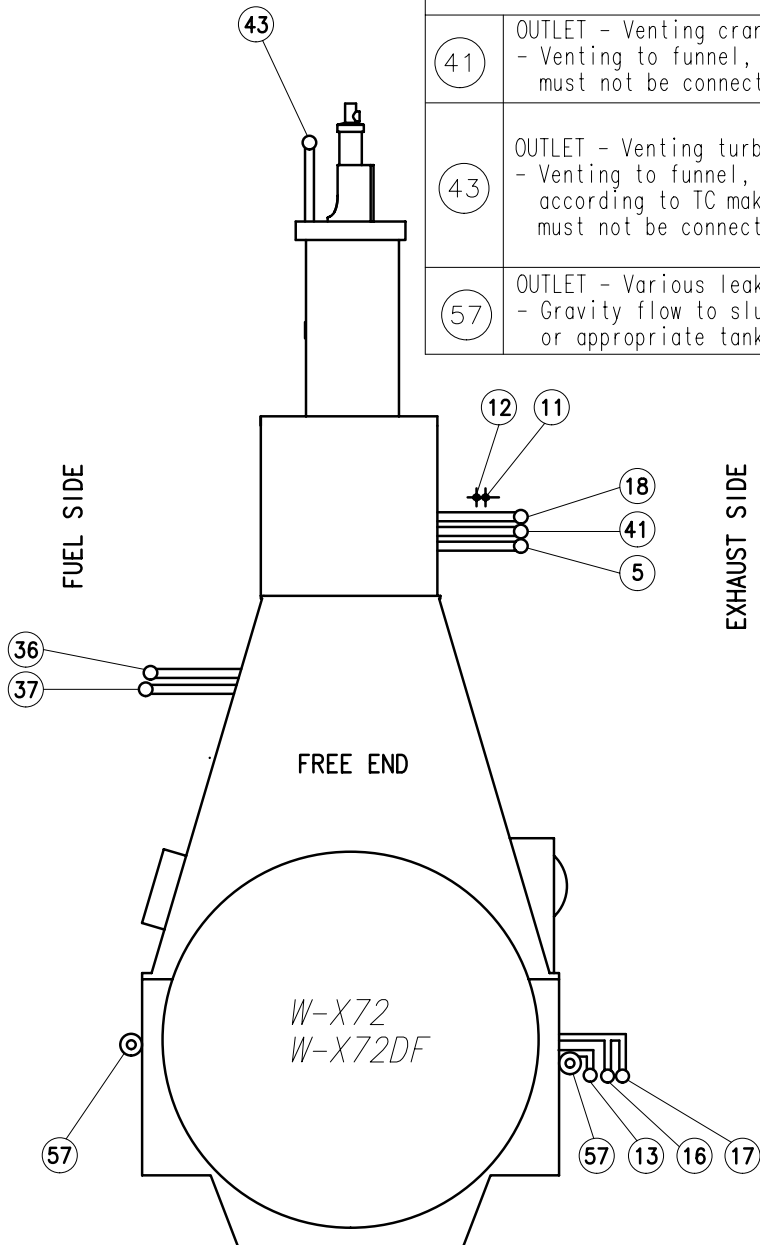
SURFACE PROTECTION SEE GROUP 0344	Made	30.10.2012	asex06 A.Sekulic	Scale	-	Size	A3	Page	1/1	Material ID	
TOLERANCING PRINCIPLE ISO8015	Chkd	07.12.2012	wvr001 Wroblewski	Design Group	9724	Drawing ID	DAAD032760		Rev.	-	
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	10.12.2012	bha009 Haag								

Approved  
PD - PRODUCTION DRAWING - Confidential

W-X72/W-X72DF

Specifications that need to be met:

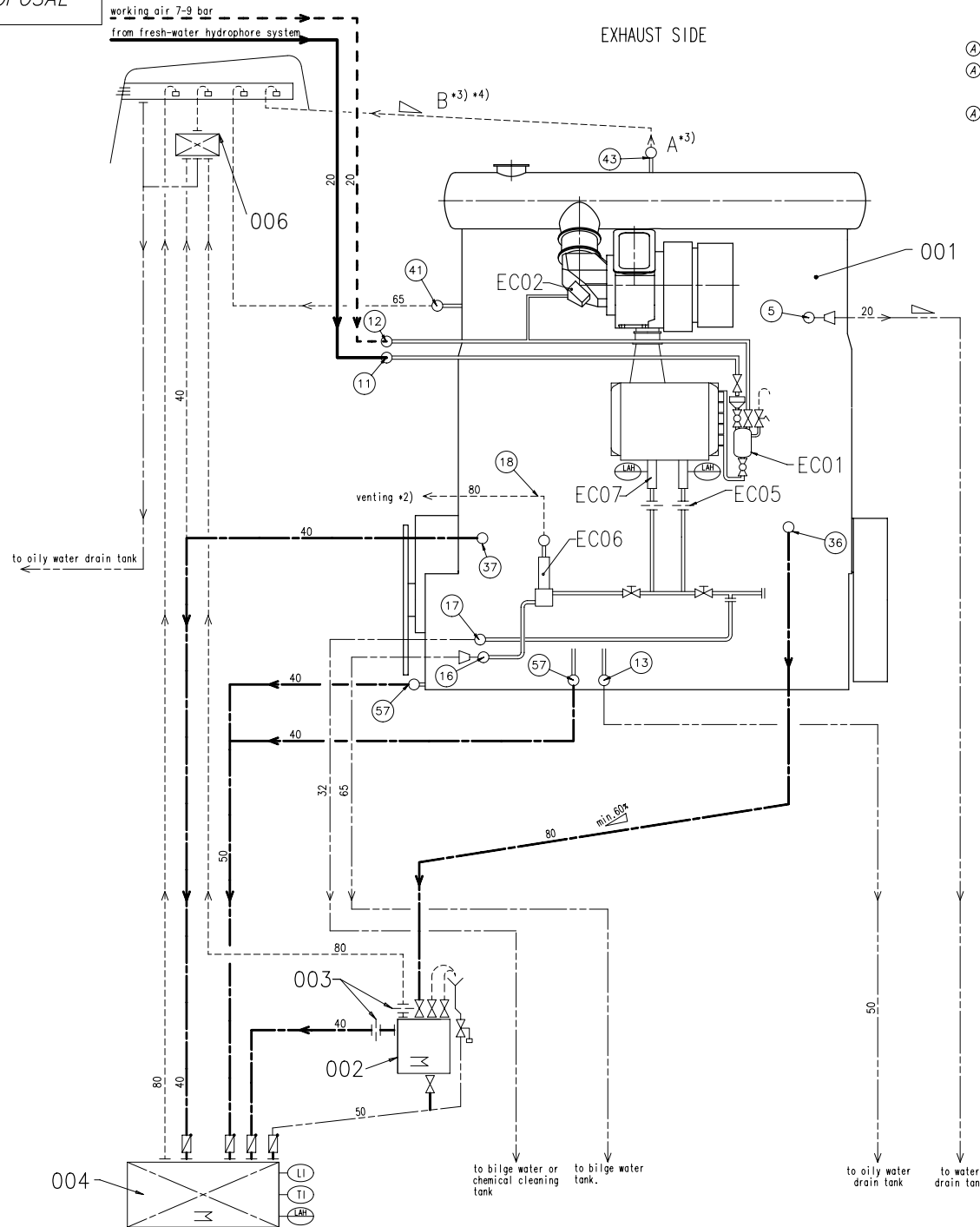
41	OUTLET - Venting crankcase. - Venting to funnel, must not be connected to other venting pipes.	5	OUTLET - Cylinder cooling water drain - Gravity flow to cooling water drain or appropriate tank.
43	OUTLET - Venting turbocharger - Venting to funnel, minimum inclination according to TC maker's spec. must not be connected to other venting pipes.	11	INLET - Washing water SAC - From fresh water hydrophore system (2.5 bar).
57	OUTLET - Various leakages - Gravity flow to sludge or appropriate tank.	12	INLET - Air for cleaning plants TC and SAC - Working air 7-9 bar.
		13	OUTLET - Oily water from scavenge air receiver. - Gravity flow to oily water or appropriate tank.
		16	OUTLET - SAC condensate water. - Gravity flow to bilge water or appropriate tank.
		17	OUTLET - SAC washing water - Gravity flow to bilge or appropriate tank.
		18	OUTLET - SAC venting. - Free flow.
		36	OUTLET - Dirty oil piston underside - Flow with SAC pressure to sludge oil trap or appropriate arrangement. - Min. inclination of drain pipe 60%.
		37	OUTLET - Leakage oil gland box - Gravity flow to sludge or appropriate tank.



Free space for lic.	Q-Code XXXXX		Main Drw.							
	Standard ISO JIS									
Modif.	(A) EAAD086218	20.10.2015								
	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	
		Product W-72		LEAKAGE COLLECTION/WASHING SYS.						
Units	mm kg	IDE	Basic Material		Net Weight		0,001			
Made	30.10.2012 asex06 A.Sekulic		Scale	-	Size	A3	Page	1/2	Material ID	PAAD104016
Chkd	07.12.2012 wwr001 Wroblewski		Design Group	9724	Drawing ID	DAAD032750		Rev.	A	
Appd	22.10.2015 bha009 Haag									

SURFACE PROTECTION SEE GROUP 0344
TOLERANCING PRINCIPLE ISO8015
GENERAL TOLERANCES ACCORDING TO ISO2768-mK

SYSTEM PROPOSAL



TC type	A	B	Inclination
1x A165	50	65	>5°
1x A265	50	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	50	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 MET5.3MB	65	65	>3°
1x MET6OMB	80	80	>3°
1x MET66MB	80	80	>3°
1x MET71MB	80	80	>3°
1x MET8.3MB	100	100	>3°
2x MET5.3MB	65	80	>3°
2x MET6OMB	80	100	>3°
2x MET66MB	80	100	>3°

Pos.	Description
001	Main engine (R1-rating)
002	Sludge oil trap, according to separate drawing
003	Throttling disc,
004	Sludge or appropriate tank
006	Air vent manifold
5	OUTLET - Cylinder cooling water drain
11	INLET - Washing water SAC
12	INLET - Air for cleaning plant TC and SAC
13	OUTLET - Oily water from receiver
16	OUTLET - SAC condensate water #1)
17	OUTLET - SAC washing water
18	OUTLET - SAC Venting
36	OUTLET - Dirty oil from piston underside
37	OUTLET - Leakage gland box
41	OUTLET - Venting crankcase
43	OUTLET - Venting turbocharger
57	OUTLET - Various leakages

**Remarks:**

- \*1) The amount of condensate water drained off after SAC depends on the relative air humidity and on the scavenge air temperature before and after SAC. Under extreme ambient conditions a maximum condensate quantity of up to 0,16 kg/kWh may be produced.
- \*2) Free flow venting outside of engine room.
- \*3) According to TC see table: TC type
- \*4) Manifold pipe for 2 TC

- Air vent and drain pipes must be fully functional at all inclination angles of the ship at which the engine must be operational.

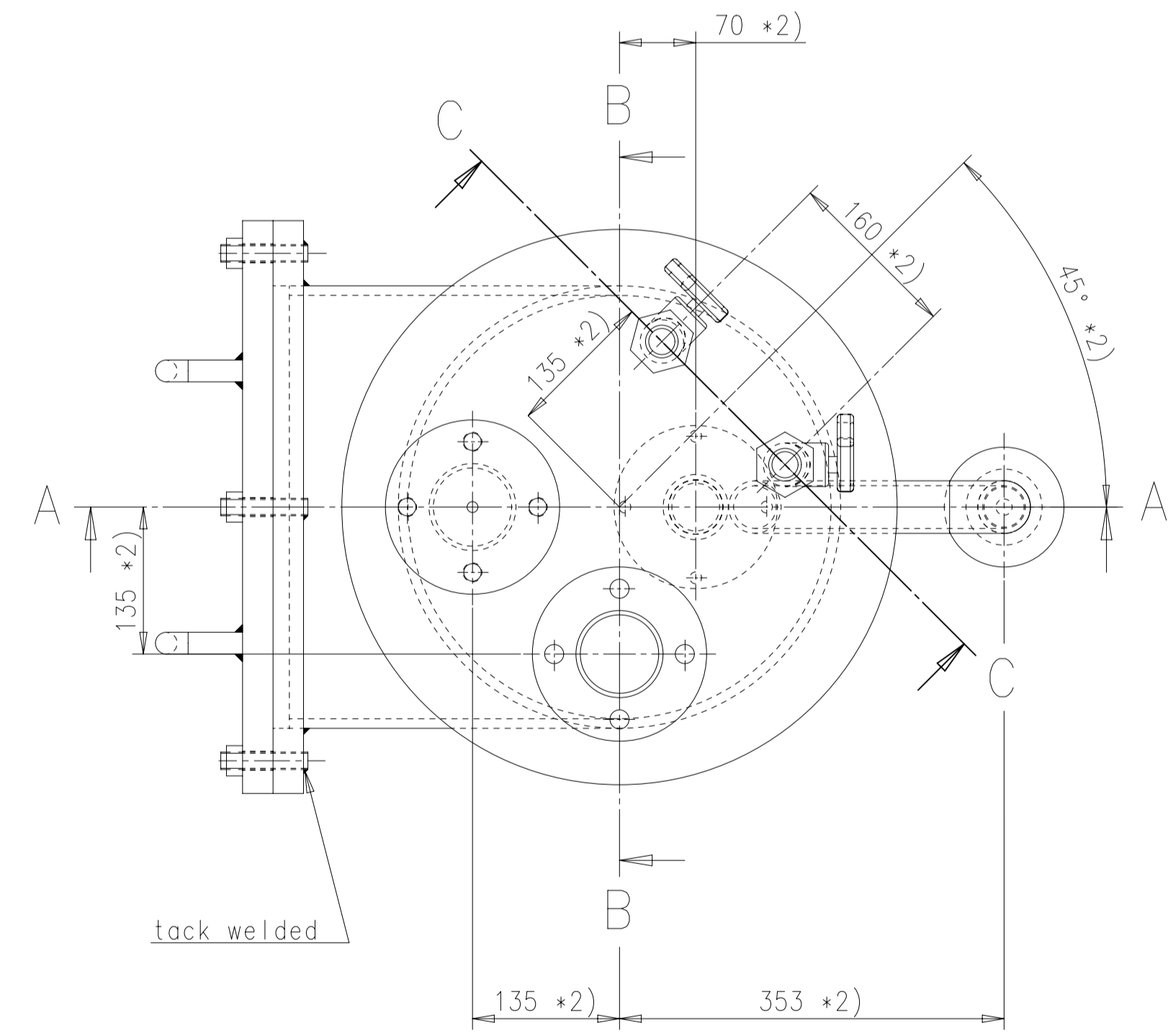
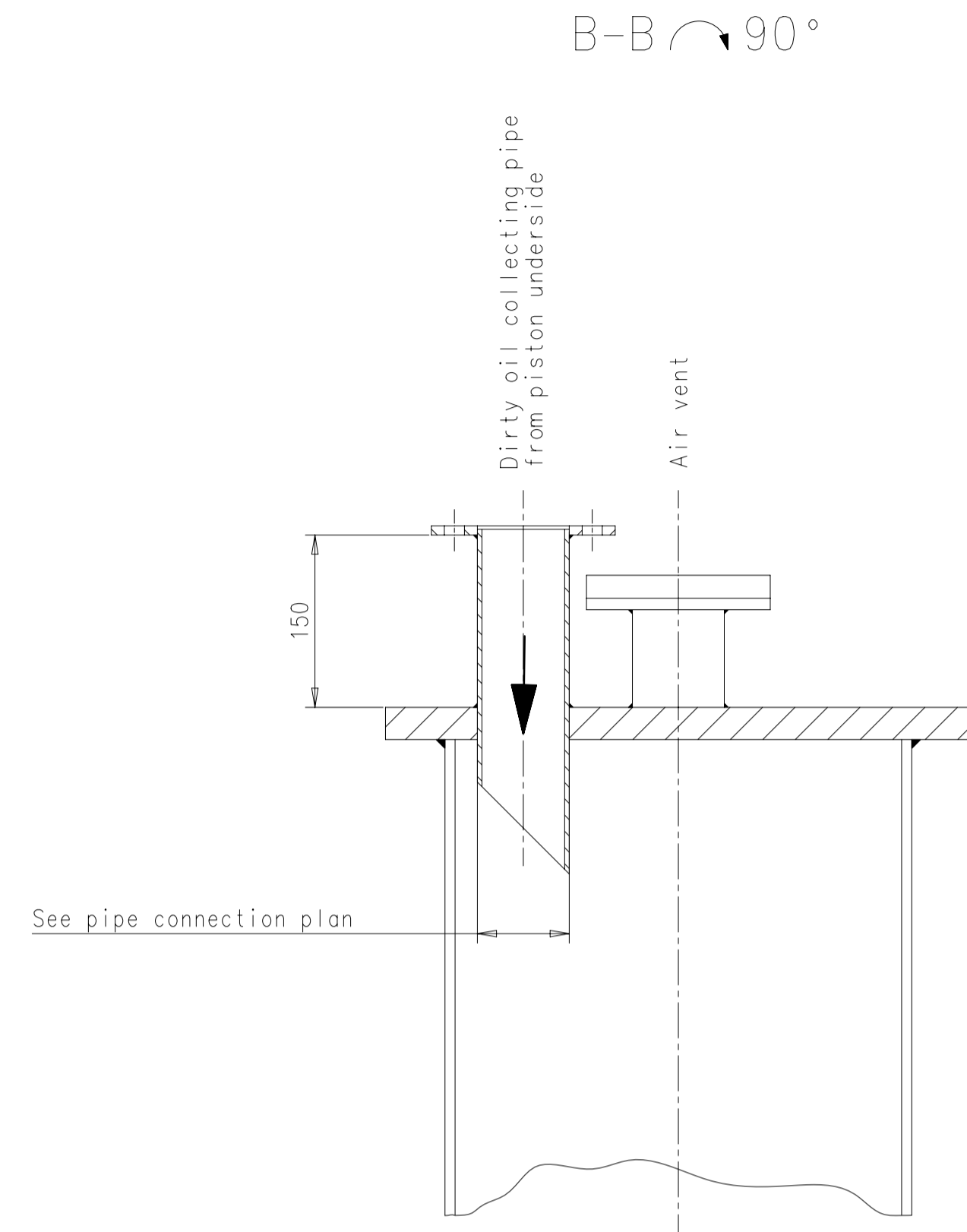
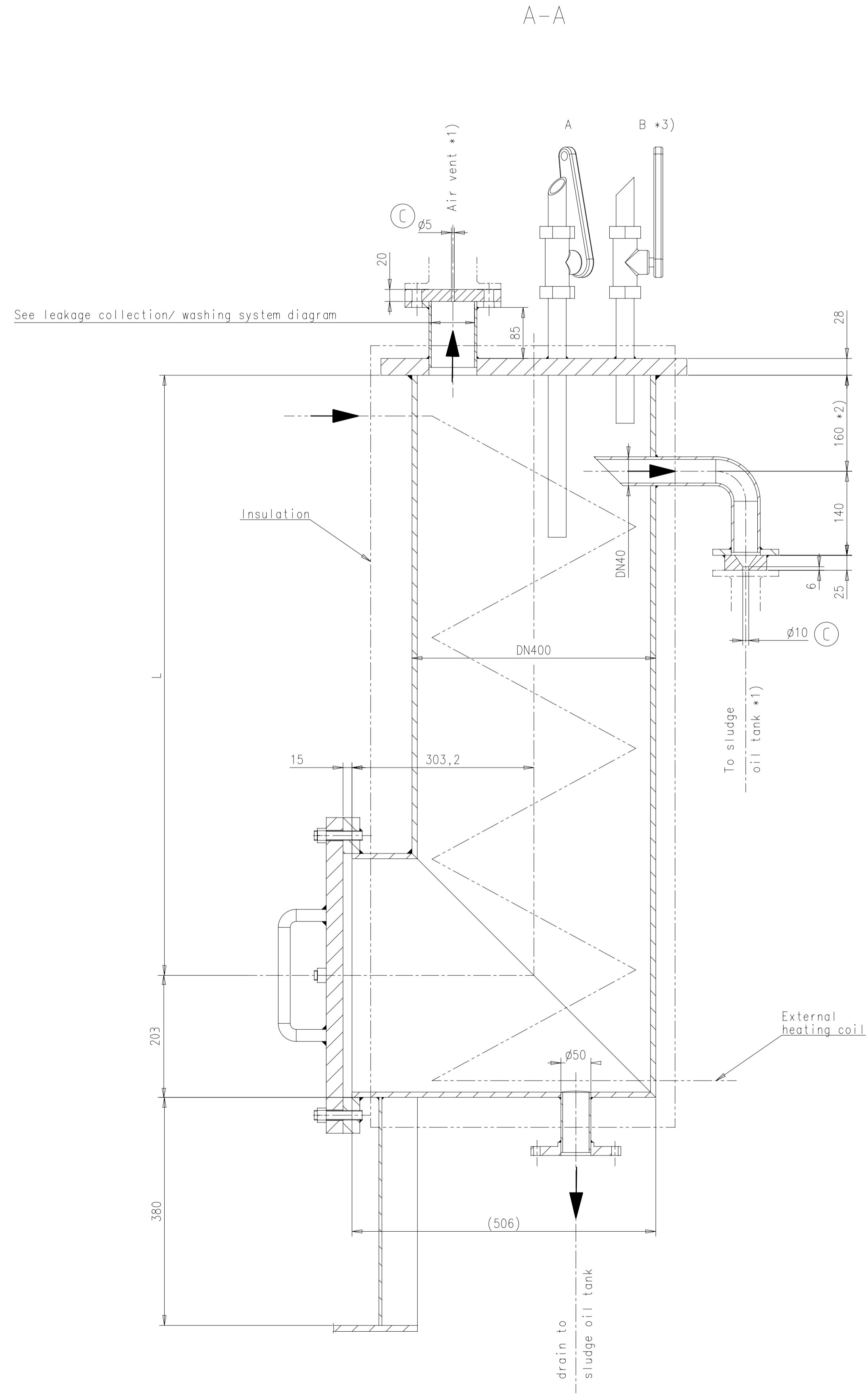
- For  $\odot$  marked positions please refer to the pipe connection drawings.

- For info:  
 Engine equipped with following leakage collect./ washing system components.

EC01 Scavenge air cooler washing plant  
 EC02 Dry cleaning device  
 EC05 Throttling disc  
 EC06 Venting unit  
 EC07 Condensate drain units

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

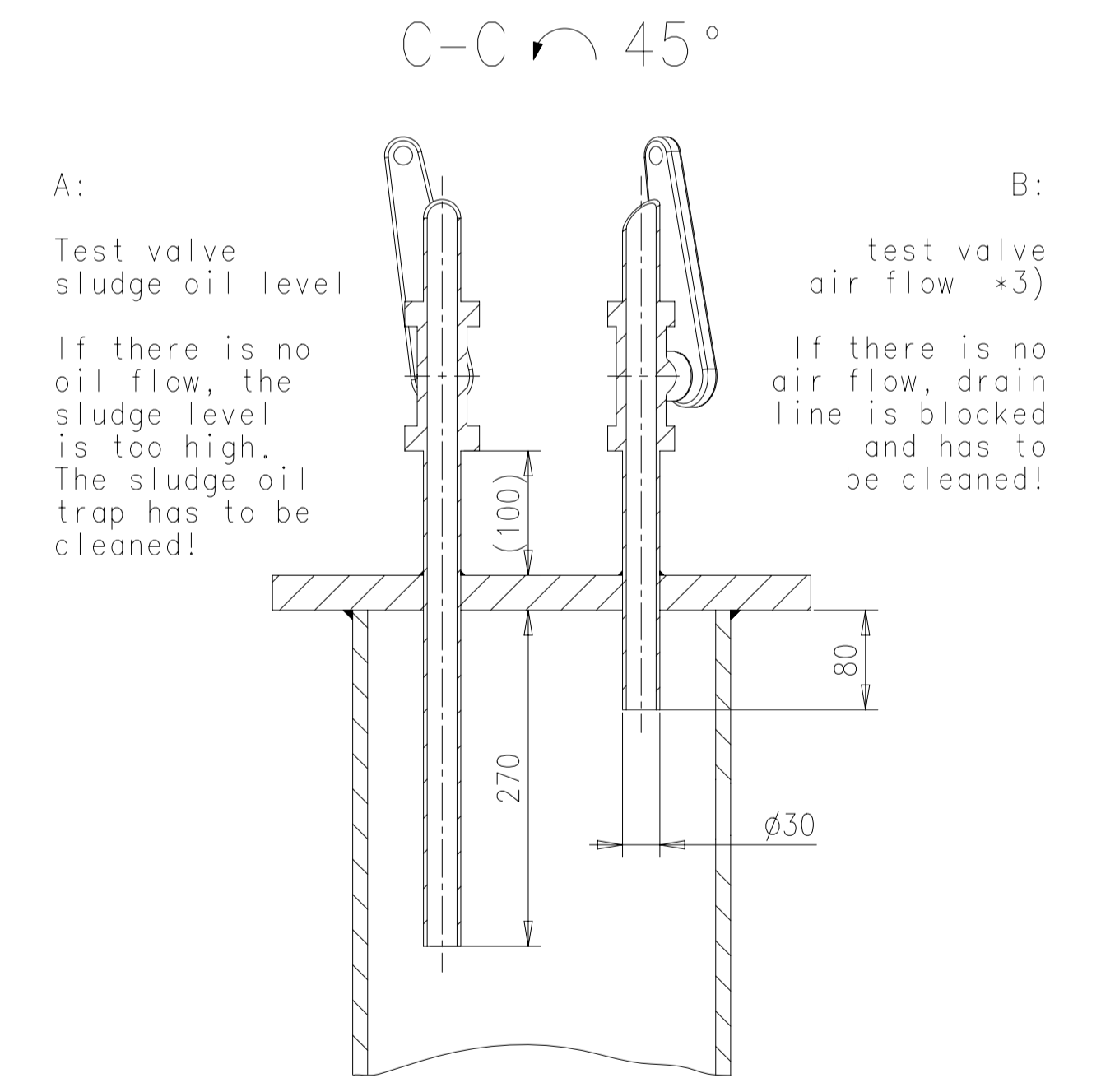
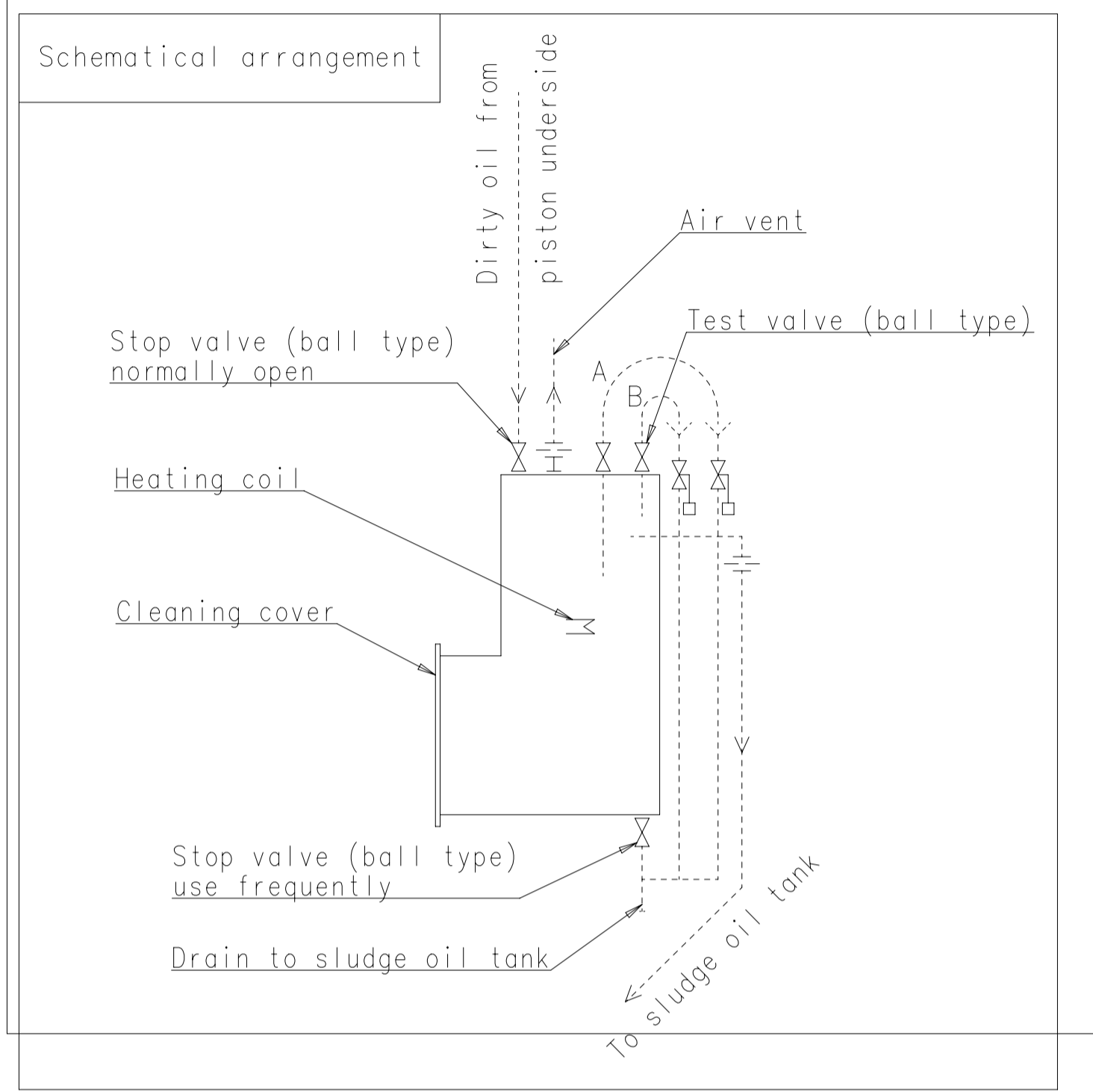
G-Code XXXXX Standards ISO JIS	
<b>WIN GD</b> Wintorther Gas & Diesel	
LEAKAGE COLLECTION/WASHING SYS.	
Units mm x g	Net Weight 0,001
Made 30.10.2012 Checked 07.12.2012 Approved 22.10.2015	Scale 1:1 Design Group 9724 Drawing ID DAAD032750



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	



Free space for file	O-Code XXXXX		Main Drw.
Standard ISO, JIS			
Modif. A	EAAD084051	22.01.2013	B EAAD087849
Number	22.01.2013	Number	14.07.2017
Drawn date	12.07.2018	Number	EAAD089439
Drawn date	Number	Drawn date	Number
Drawn date	Number	Drawn date	Number
Product W-2S		SLUDGE OIL TRAP	
Units mm kg NX		Basic Material	
Made 31.08.2009 J.BAUMANN		Scale 1:5	
Chkd		Design Group	
Appd 13.11.2009 JBA029 Baumann		9724	
SURFACE PROTECTION SEE GROUP 0344		Size A1	
TOLERANCING PRINCIPLE ISO8015		Page 1/1	
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Material 107.425.369.500	
		Drawing ID 107.425.369	
		Rev. C	
		Net Weight 0.001	

## MIDS\_WinGD-X72\_LEAKAGE-COLLECTION and WASHING-SYSTEM

### 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

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