

Net Weight		0.002							
Quantity	1	002	107.425.369.500	SLUDGE OIL TRAP	107.425.369		0.001		
PER ENGINE	1	001	107.340.951.500	LEAKAGE COLLECTION/WASHING SYS.	107.340.951		0.001		
	Material ID	SEQ NO	Material ID	Material Name	Dimension/Occ.Dimension	Standard or Drawing	Basic Material Material Standard	Weight GR./NET	
	107.340.953.200						Q-Code XXXXX Standard ISO JIS	Main Drw. H	
Material ID	Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
	A	7-77.597	16.11.2009	B	EAAD084882	31.10.2013			
Units		mm kg	IDE	Basic Material		Net Weight			
SURFACE PROTECTION SEE GROUP 0344		Made 25.03.2004 S.Natali		Scale -		Size A3		Page 1/1	
TOLERANCING PRINCIPLE ISO8015		Chkd		Design Group		Material ID		Rev. B	
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd 26.07.2004 sna001 Natali		9724		Drawing ID 107.340.953			



Product
5-8RT-flex50
5-8RT-flex50-B
5-8RT-flex50-D
5-8RT-flex50DF

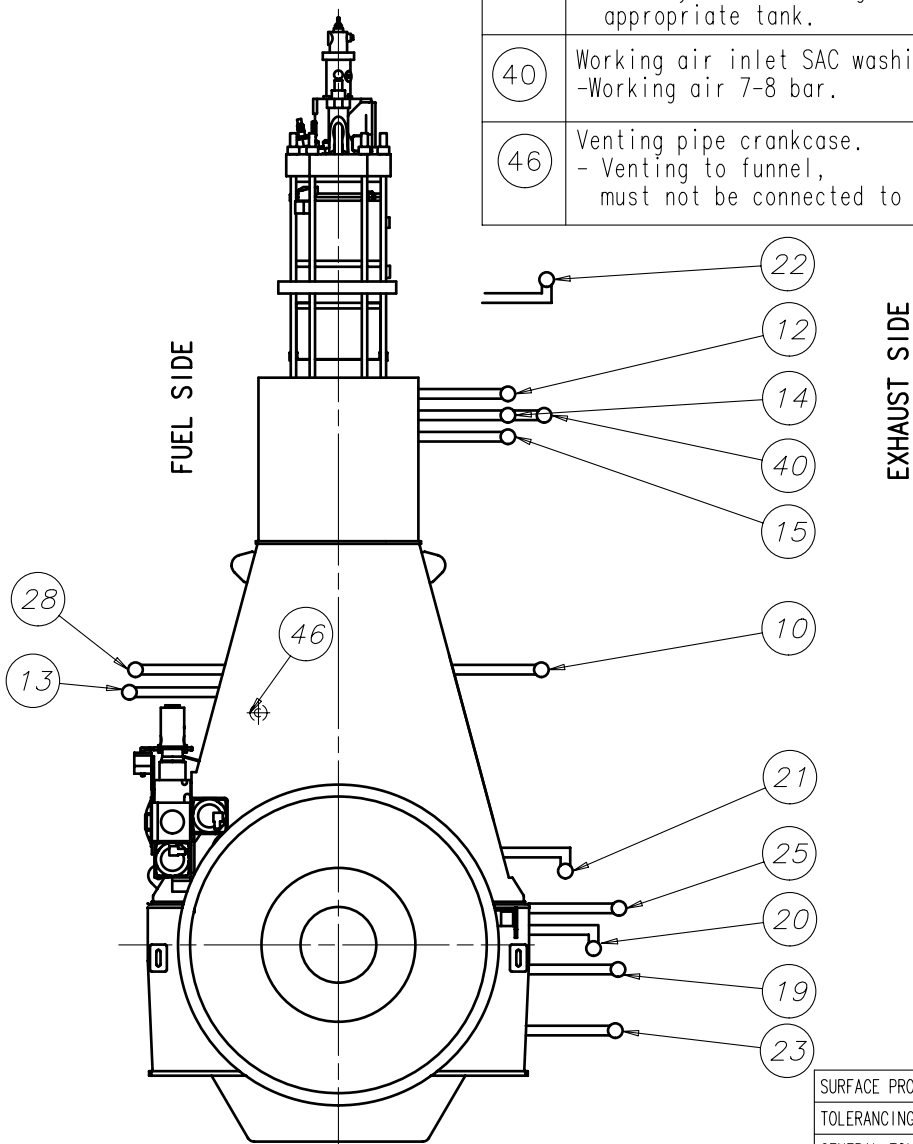
LEAKAGE COLLECTION/WASHING SYS.

Approved

ASD - ASSEMBLY DRAWING - Internal

RT-flex50
RT-flex50DF

DRIVING END



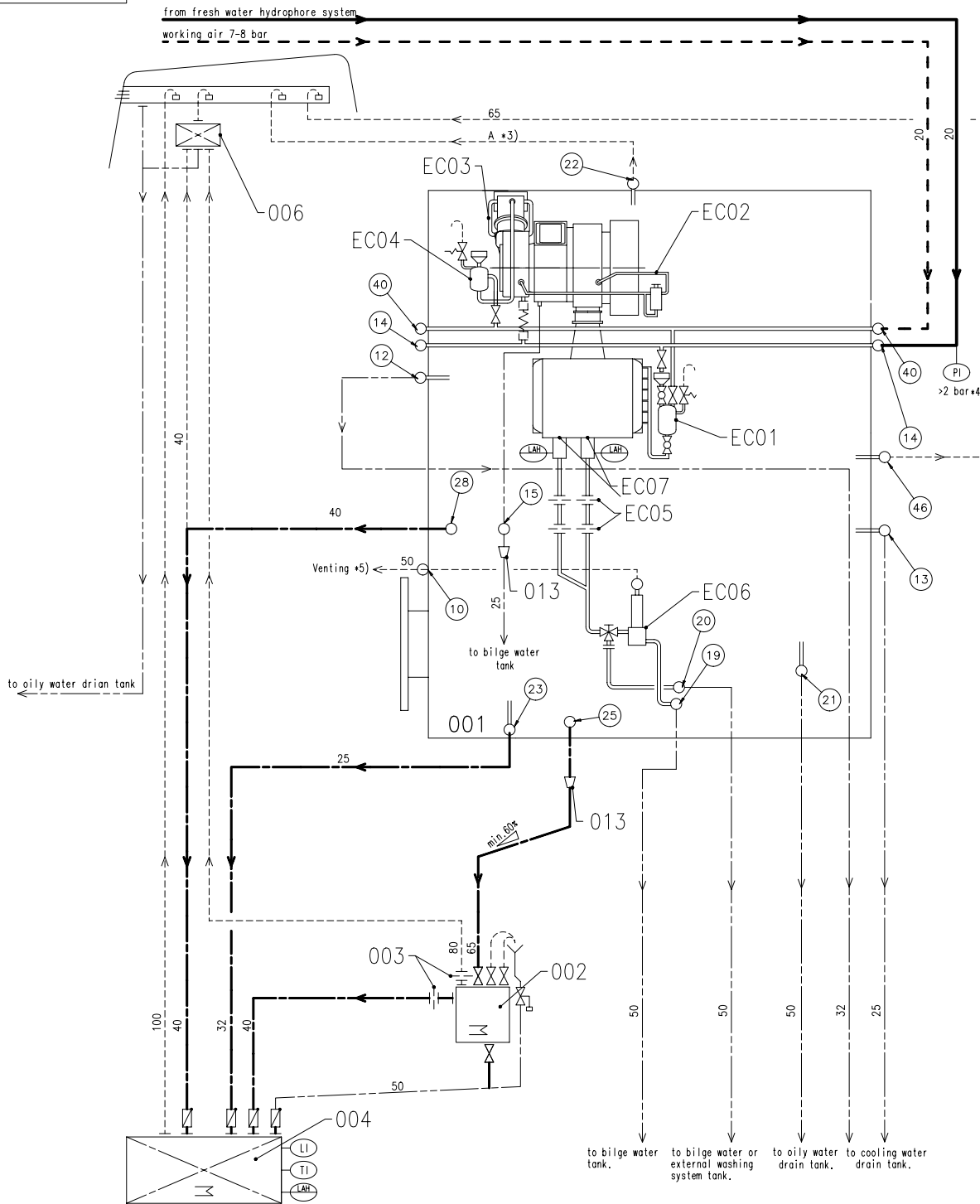
25	Leakage oil from piston underside - Flow with SAC pressure to sludge oil trap or appropriate arrangement. - Min. inclination of drain pipe 60%.	10	SAC venting - free flow venting.
28	Dirty oil from piston rod stuffing box (on fuel side) - Gravity flow to sludge or appropriate tank.	12	Cooling water drain pipe - Gravity flow to cooling water drain or appropriate tank.
40	Working air inlet SAC washing plant - Working air 7-8 bar.	13	SAC cooling water drain - Gravity flow to cooling water drain or appropriate tank.
46	Venting pipe crankcase. - Venting to funnel, must not be connected to other venting pipes.	14	Washing water inlet TC/SAC - From fresh water hydrophore system, min >2 bar for TPL TC. application
		15	TC washing water, outlet - Gravity flow to bilge water or appropriate tank.
		19	Condensate water from water separator and SAC - Gravity flow to bilge water or appropriate tank.
		20	Washing water outlet from SAC - Gravity flow to bilge water or appropriate tank.
		21	Collector main oil water water separator - Gravity flow to oily water drain or appropriate tank.
		22	Oil system TC, venting - Venting to funnel, minimum inclination according to TC maker's spec. must not be connected to other venting pipes.
		23	Common dirty oil drain from engine - Gravity flow to sludge or appropriate tank.

Specifications that need to be met:

Free space for ilic.	Q-Code XXXXX							Main Drw.				
	Standard ISO JIS											
Modif.	E	7-79.341	09.03.2010	F	EAAD084349	14.12.2012	G	EAAD084882	15.10.2013	H	EAAD086378	26.01.2016
	Number	Drawn date		Number	Drawn date		Number	Drawn date		Number	Drawn date	
 Winterthur Gas & Diesel		Product W-2S		LEAKAGE COLLECTION/WASHING SYS.								
Units	mm kg	IDE		Basic Material		Net Weight 0.001						
Scale	25.03.2004 S. NATALI		-		Size	A3	Page	1/2		Material ID		107.340.951.500
Design Group	31.07.2007 sna001 Natali		9724		Drawing ID		107.340.951		Rev.			H
SURFACE PROTECTION SEE GROUP 0344		TOLERANCING PRINCIPLE ISO8015		GENERAL TOLERANCES ACCORDING TO ISO2768-mk								

Approved
D10 - DIMENSIONAL DRAWING - Confidential

SYSTEM PROPOSAL



TC type	A	Inclination
2x TPL 73	80	>5°
1x TPL 77	65	>5°
2x MET5.3MA	80	>3°
1x MET60MA	80	>3°
1x MET66ME	80	>3°
1x MET66S	80	>3°
2xA165	80	>5°
1xA170	65	>5°
1x A175	65	>5°
1x A180	80	>5°
1x A265	60	>5°
1x A165	65	>5°

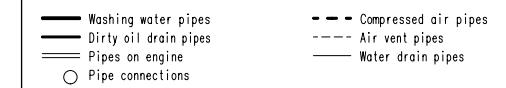
Pos.	Description
001	Main engine (R1-Rating)
002	Sludge oil trap, according to separate drawing
003	Throttling disc,
004	Sludge or appropriate tank
006	Air vent manifold
013	Reduction piece *7)
10	SAC venting
12	SAC cooling water drain
13	Venting/drain SAC
14	Water/air pipe cleaning plant
15	TC washing water, outlet *6)
19	Condensate water from water separator and SAC *2)
20	Washing water outlet from SAC
21	Collector main oil/water separator
22	Oil system TC, venting
23	Common dirty oil drain from engine
25	Leakage oil from piston underside
28	Dirty oil from piston rod stuffing box (on fuel side)
40	Working air inlet SAC washing plant
46	Venting pipe crankcase

- Remarks:
- One unit per turbocharger
 - 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.
 - According to TC see table: TC type
 - Pressure indicator only required for TPL TC.
 - Free flow venting outside of engine room.
 - Not used for Mitsubishi MET and A Turbocharger
 - Installed as required (check with the pipe connection plan)

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

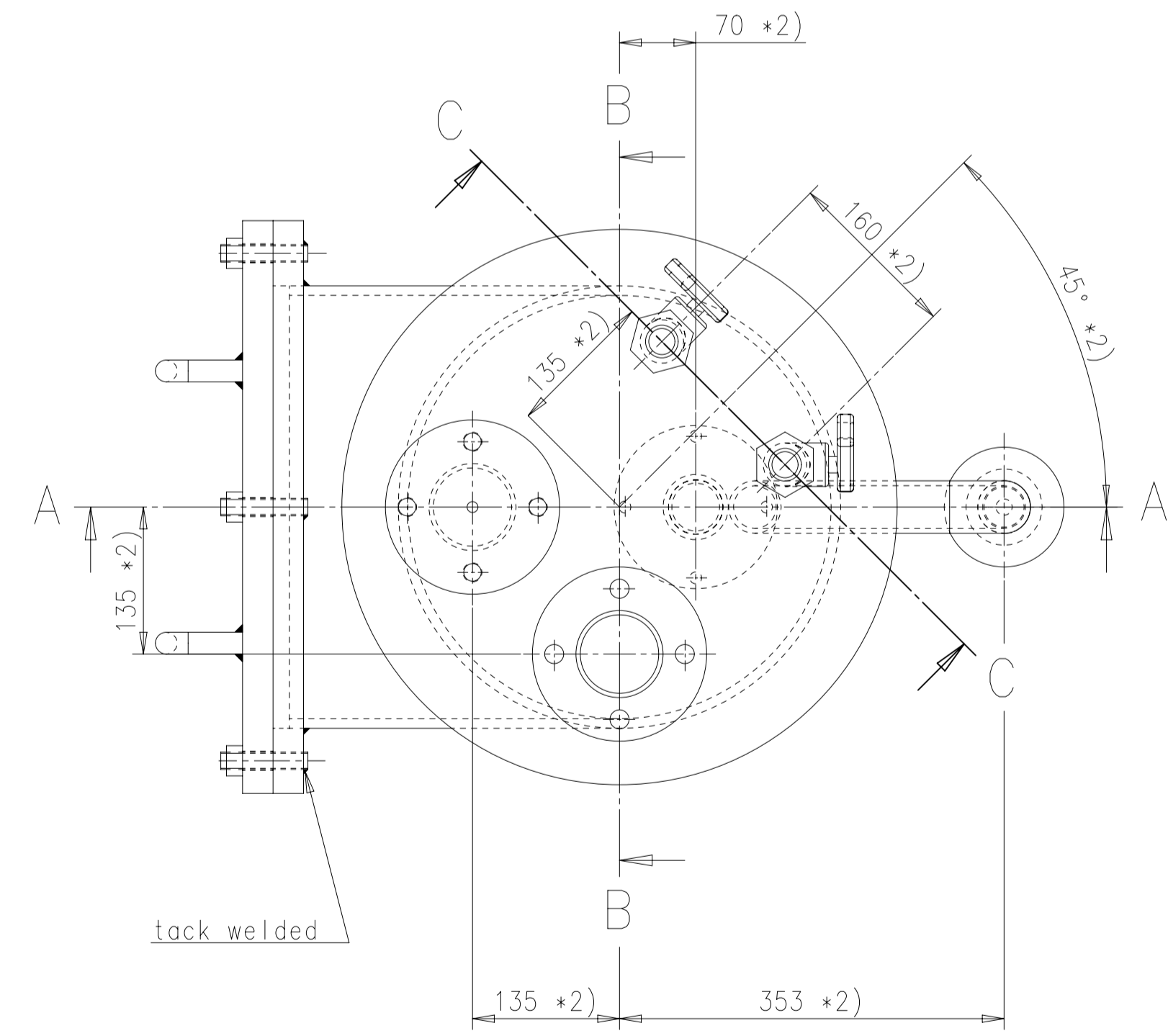
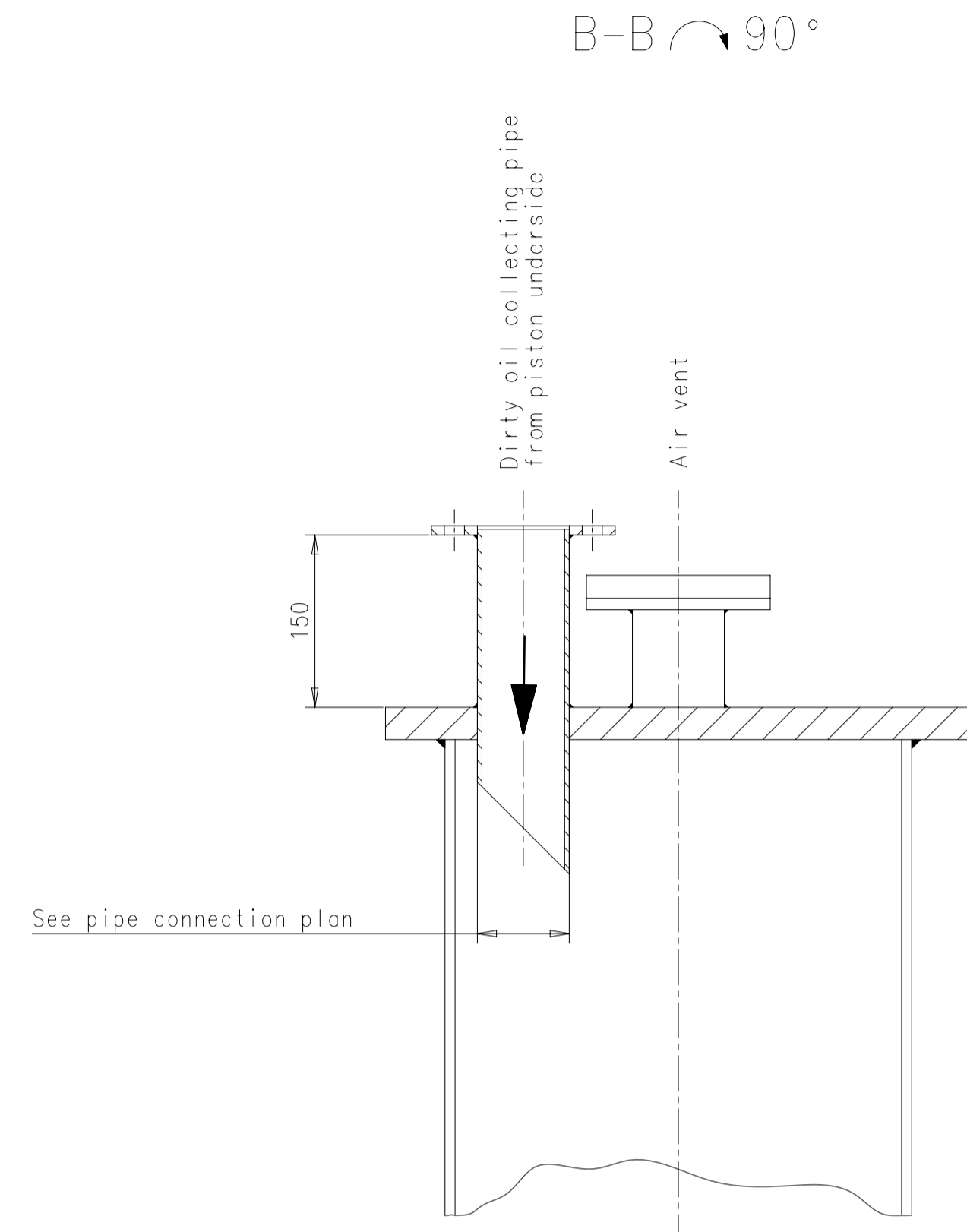
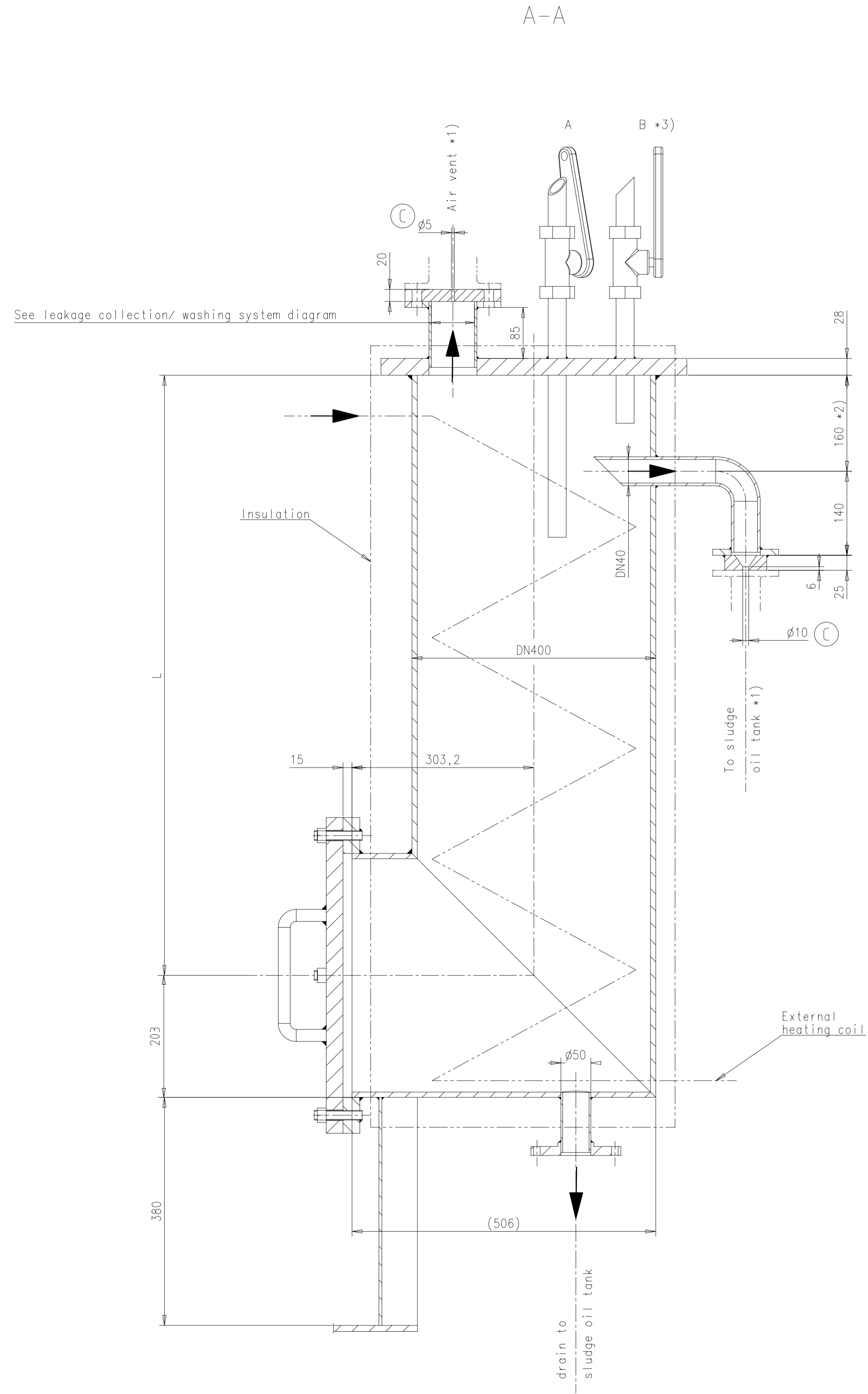
- For *C* marked positions please refer to the pipe connection drawings.

- For info:
 Engine equipped with following leakage collect./ washing system components.
- EC01 Scavenge air cooler washing plant
 - EC02 Turbocharger compressor wheel washing plant *1)
 - EC03 Turbocharger turbine washing plant *1)
 - EC04 Turbocharger turbine dry cleaning plant (optional) *1)
 - EC05 Throttling disc
 - EC06 Venting unit
 - EC07 Condensate Collector



Free space for Rev. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50	Q-Code XXXXX Standard ISO JIS	Min. Drw.
Model: E 7-79_341 09.03.2010 F EAAD084349 14.12.2012 G EAAD084882 15.10.2013 H EAAD086378 26.01.2016	Product W-2S	
LEAKAGE COLLECTION/WASHING SYS.		

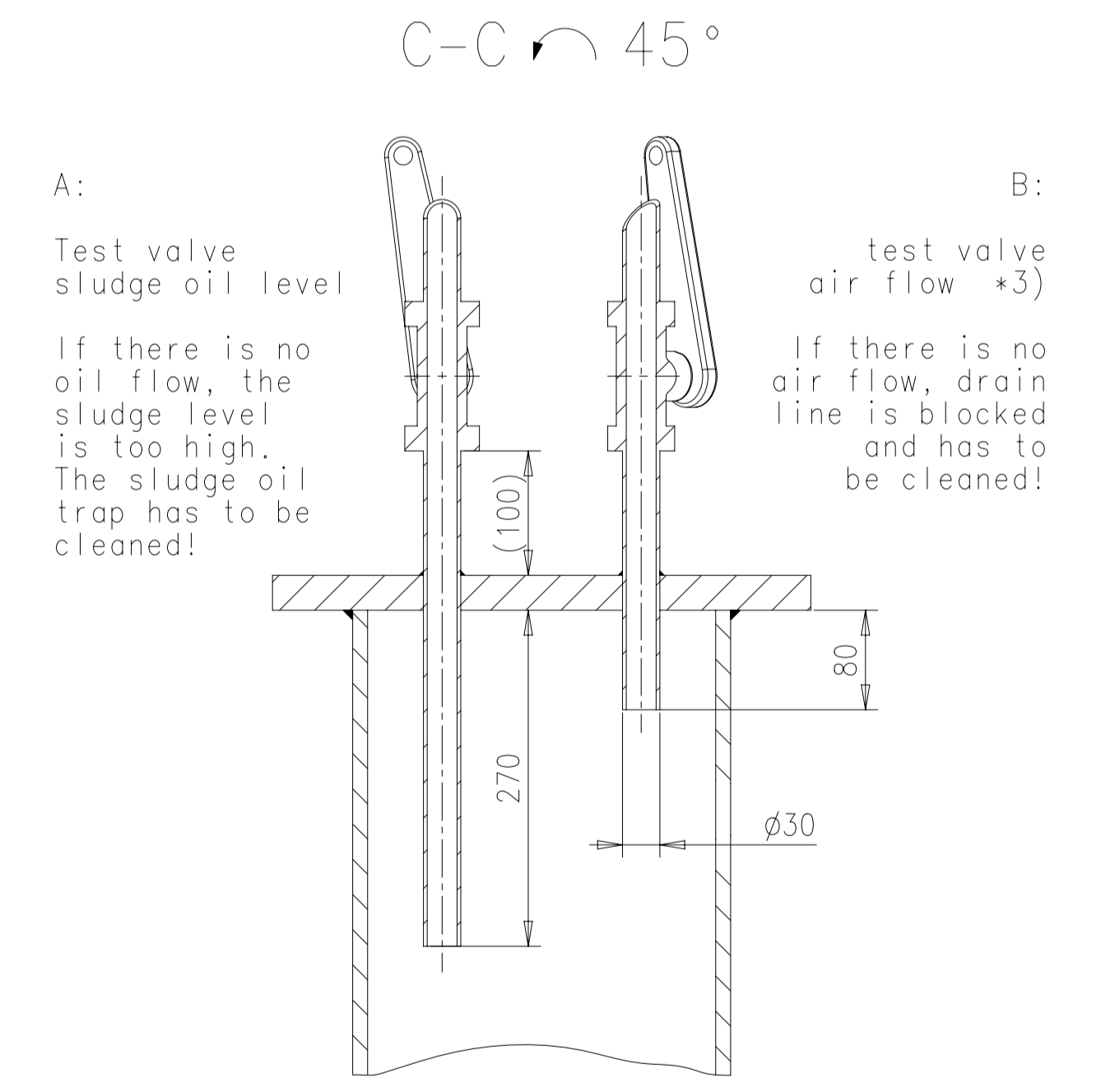
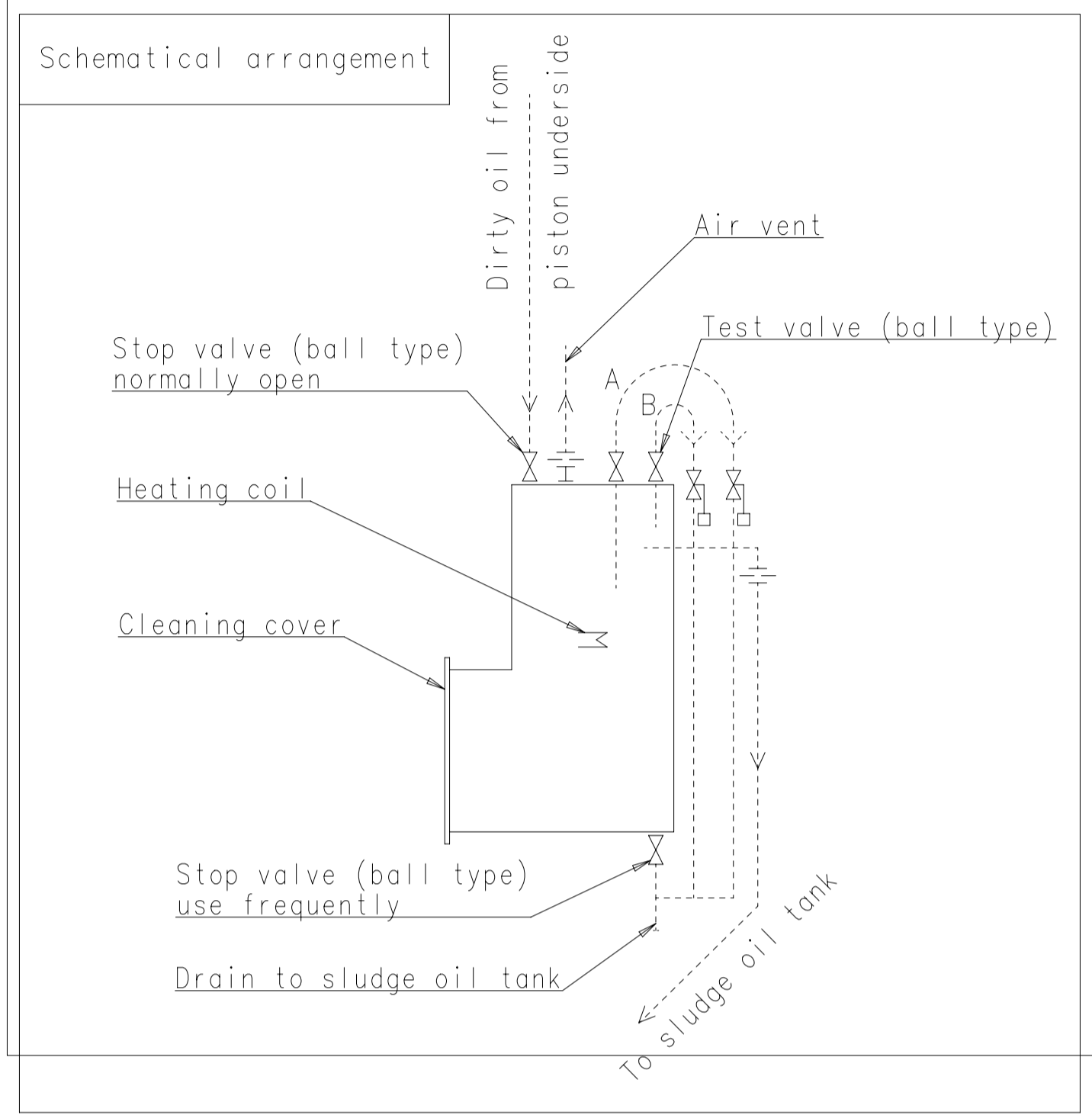
SURFACE PROTECTION SEE GROUP 0344	Scale -	Size A1	Page 2/2	Material ID 107.340.951.500	Net Weight 0.001
TOLERANCING PRINCIPLE ISO8015	Design Group	9724	Drawing ID 107.340.951	Rev. H	
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd 31.07.2007 sna001 Natali				



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:	150 l	100 l
	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		Number	EAAD089439
Drawn date		Number	12.07.2018
Product	W-2S		
SLUDGE OIL TRAP			
Units	mm kg	NX	Basic Material
Net Weight	0.001		
SURFACE PROTECTION SEE GROUP 0344	Made	31.08.2009	J.BAUMANN
TOLERANCING PRINCIPLE ISO8015	Scale	1:5	
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Design Group		
Appd	13.11.2009	JBA029	Baumann
9724	107.425.369	107.425.369	Rev. C

MIDS_WinGD-RT-flex50-D_LEAKAGE-COLLECTION_and_WASHING-SYSTEM

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2017-02-24	DRAWING SET	First web upload
2017-08-23	107.425.369	Sludge oil trap drg– new revision
2018-10-02	107.425.369	Sludge oil trap drg – new revision

DISCLAIMER

© Copyright by Winterthur Gas & Diesel Ltd.

All rights reserved. No part of this document may be reproduced or copied in any form or by any means (electronic, mechanical, graphic, photocopying, recording, taping or other information retrieval systems) without the prior written permission of the copyright owner.

THIS PUBLICATION IS DESIGNED TO PROVIDE AN ACCURATE AND AUTHORITATIVE INFORMATION WITH REGARD TO THE SUBJECT-MATTER COVERED AS WAS AVAILABLE AT THE TIME OF PRINTING. HOWEVER, THE PUBLICATION DEALS WITH COMPLICATED TECHNICAL MATTERS SUITED ONLY FOR SPECIALISTS IN THE AREA, AND THE DESIGN OF THE SUBJECT-PRODUCTS IS SUBJECT TO REGULAR IMPROVEMENTS, MODIFICATIONS AND CHANGES. CONSEQUENTLY, THE PUBLISHER AND COPYRIGHT OWNER OF THIS PUBLICATION CAN NOT ACCEPT ANY RESPONSIBILITY OR LIABILITY FOR ANY EVENTUAL ERRORS OR OMISSIONS IN THIS BOOKLET OR FOR DISCREPANCIES ARISING FROM THE FEATURES OF ANY ACTUAL ITEM IN THE RESPECTIVE PRODUCT BEING DIFFERENT FROM THOSE SHOWN IN THIS PUBLICATION. THE PUBLISHER AND COPYRIGHT OWNER SHALL UNDER NO CIRCUMSTANCES BE HELD LIABLE FOR ANY FINANCIAL CONSEQUENTIAL DAMAGES OR OTHER LOSS, OR ANY OTHER DAMAGE OR INJURY, SUFFERED BY ANY PARTY MAKING USE OF THIS PUBLICATION OR THE INFORMATION CONTAINED HEREIN.