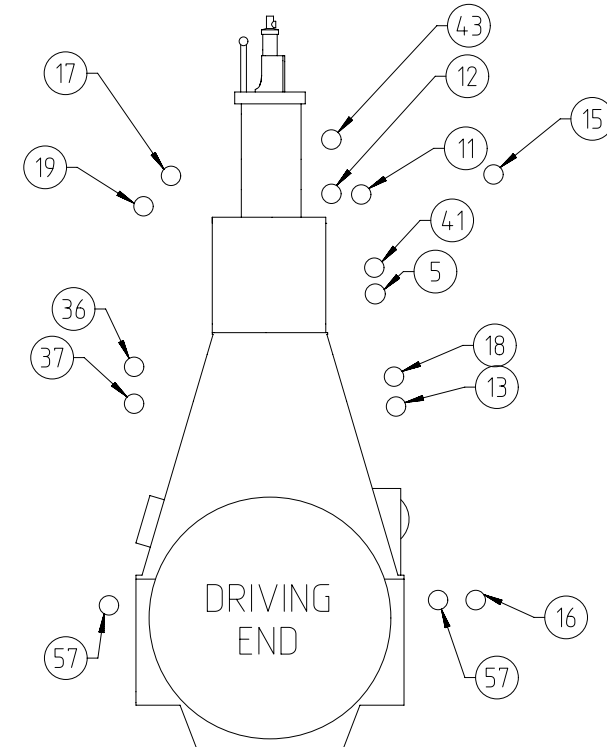




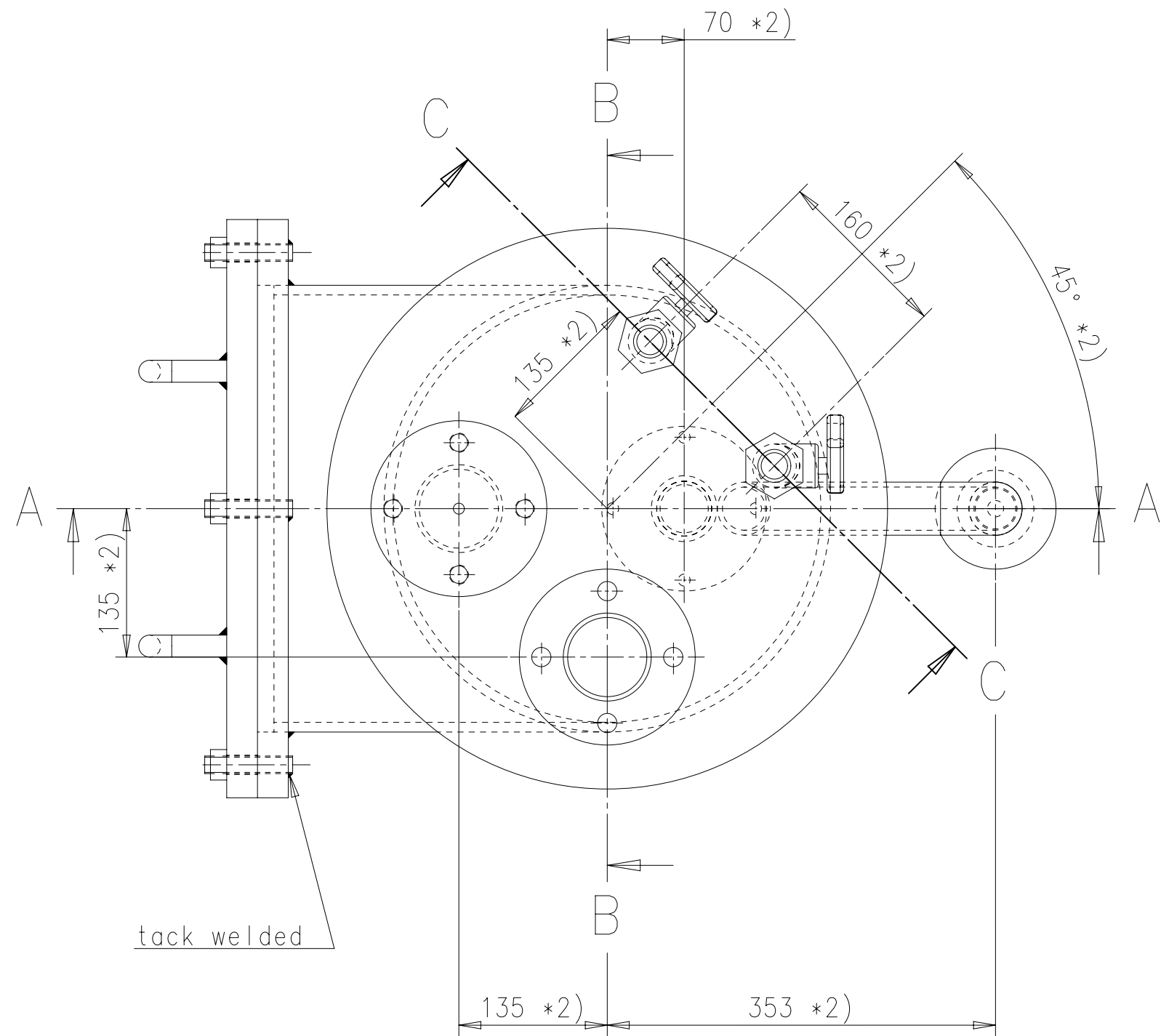
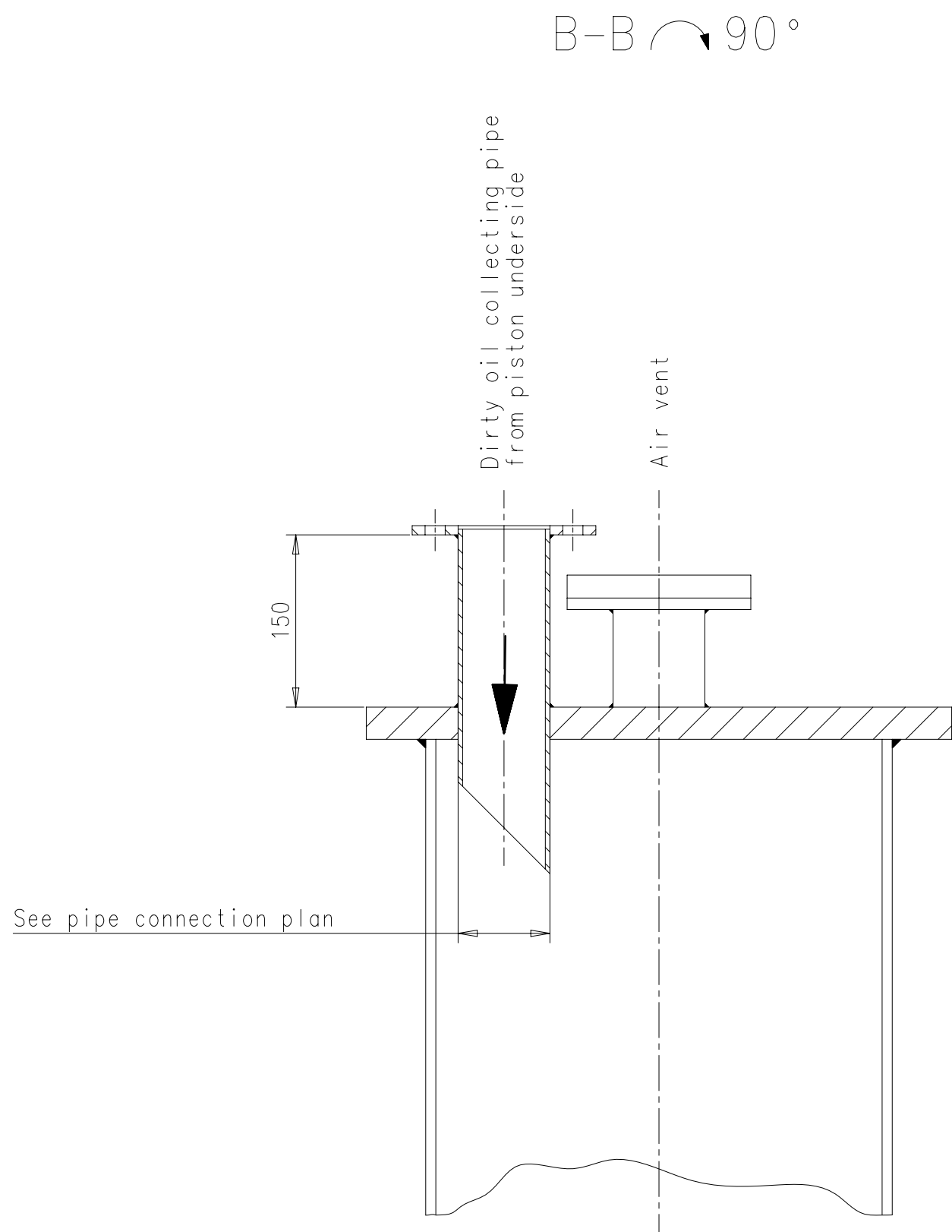
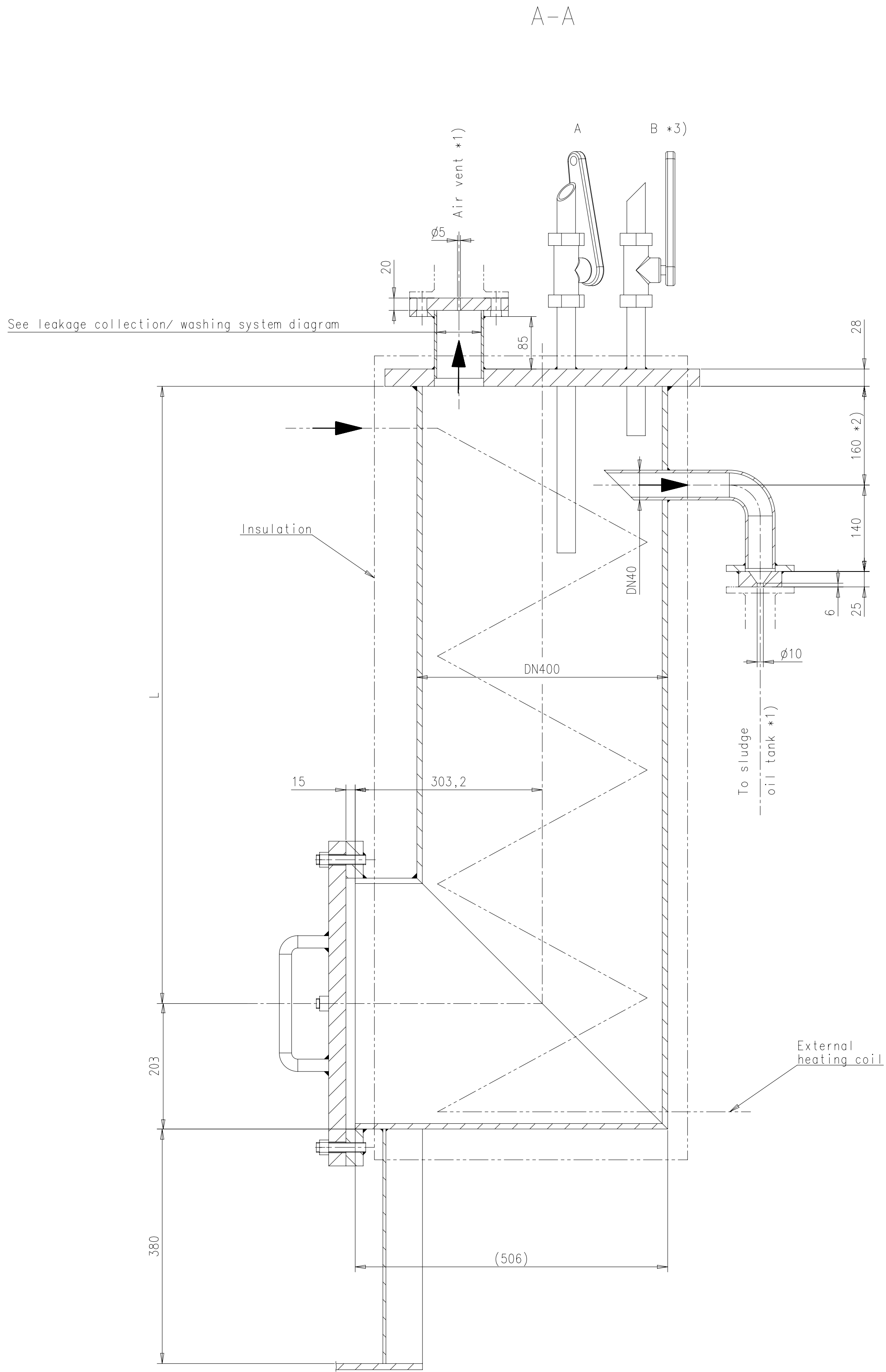
SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
001	1	PTAA037102	LEAKAGE COLLECTION/WASHING SYS.				0.001
Prod.	5,6,7,8 X62DF-2.1						
Change History							
	-	sde101	mhu019	29.06.2022	CNAA002055	Main Design/Drawing Introduced	- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved Activity Code E C
<div>WIN GD Winterthur Gas & Diesel</div>			LEAKAGE COLLECTION/WASHING SYS. iCER off-engine				
Bill Of Material			Dimension iCER off-engine				
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			Main Design Yes		Design Group 9724 Q-Code XXXXX		Standard WDS
			Qty per Engine	A4	Item ID PTAA037457		BOM Page/s 01/01

SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
001	1	107.425.369.500	SLUDGE OIL TRAP				0.001
Prod.	X62DF-2.1						
Change History							
	B	dki021	mhu019	19.12.2022	CNAA002848	Drawing Updated	4 3
	A	rth101	mhu019	22.11.2022	CNAA002751	Drawing Updated	4 3
	-	sde101	mhu019	29.06.2022	CNAA002055	new Design	- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved Activity Code E C
<div>WIN GD</div> <div>Winterthur Gas & Diesel</div>			LEAKAGE COLLECTION/WASHING SYS. iCER off-engine				
Bill Of Material			Dimension iCER off-engine				
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			Main Design		Design Group 9724	Q-Code XXXXX	Standard WDS
			Qty per		A4	Item ID PTAA037102	BOM Page/s 01/01

SPECIFICATION which must be met:

A	19	OUTLET - SAC condensate water, iCER - To EGC wastewater holding tank during iCER operation - The system components downstream of this connection until the pH-neutralisation dosing unit must be designed for low pH operation.	5	OUTLET - Cylinder cooling water drain. - Gravity flow to cooling water drain tank or appropriate tank.	A
	36	OUTLET - Dirty oil piston underside - Flow with SAC pressure to sludge oil trap or appropriate arrangement. - Min. inclination of drain pipe: 15°	11	INLET - SAC wash water - Optional connection. Only necessary if an external SAC washing system is installed. - Wash water supply: From external washing system - Wash water supply pressure: min. 3.0 bar - Wash water circulation rate: min. 4.5 m³/h	
B	37	OUTLET - Leakage oil gland box - Gravity flow to sludge tank or appropriate tank.	B		B
	41	OUTLET - Venting crankcase - Venting to funnel - Must not be connected to other venting pipes.	12	INLET - Air for cleaning plants TC - Working air, supply pressure: 7-9 bar	
C	43	OUTLET - Venting turbocharger - Venting to funnel - Minimum inclination according to TC suppliers specification - Must not be connected to other venting pipes.	13	OUTLET - Oily water from scavenge air receiver - Gravity flow to oily water tank or appropriate tank.	C
	57	OUTLET - Various leakages - Gravity flow to sludge tank or appropriate tank.	15	INLET - SAC wetting water - Wetting water supply: From clean water holding tank or SAC wetting buffer tank - Wetting water supply pressure: max. 10 bar - Wetting water circulation rate: 500-1000 l/h per SAC	
D			16	OUTLET - SAC condensate water - Gravity flow to bilge water tank or wash water collection tank or to the EGC bleed-off line depending on the operation mode. - The system components downstream of this connection until the pH-neutralisation dosing unit must be designed for low pH operation.	D
			17	OUTLET - SAC wash water - Optional connection. Only necessary if an external SAC washing system is installed. - To wash water collection tank during SAC cleaning.	
E			B		D
			18	OUTLET - SAC venting - Free flow outside of engine room	

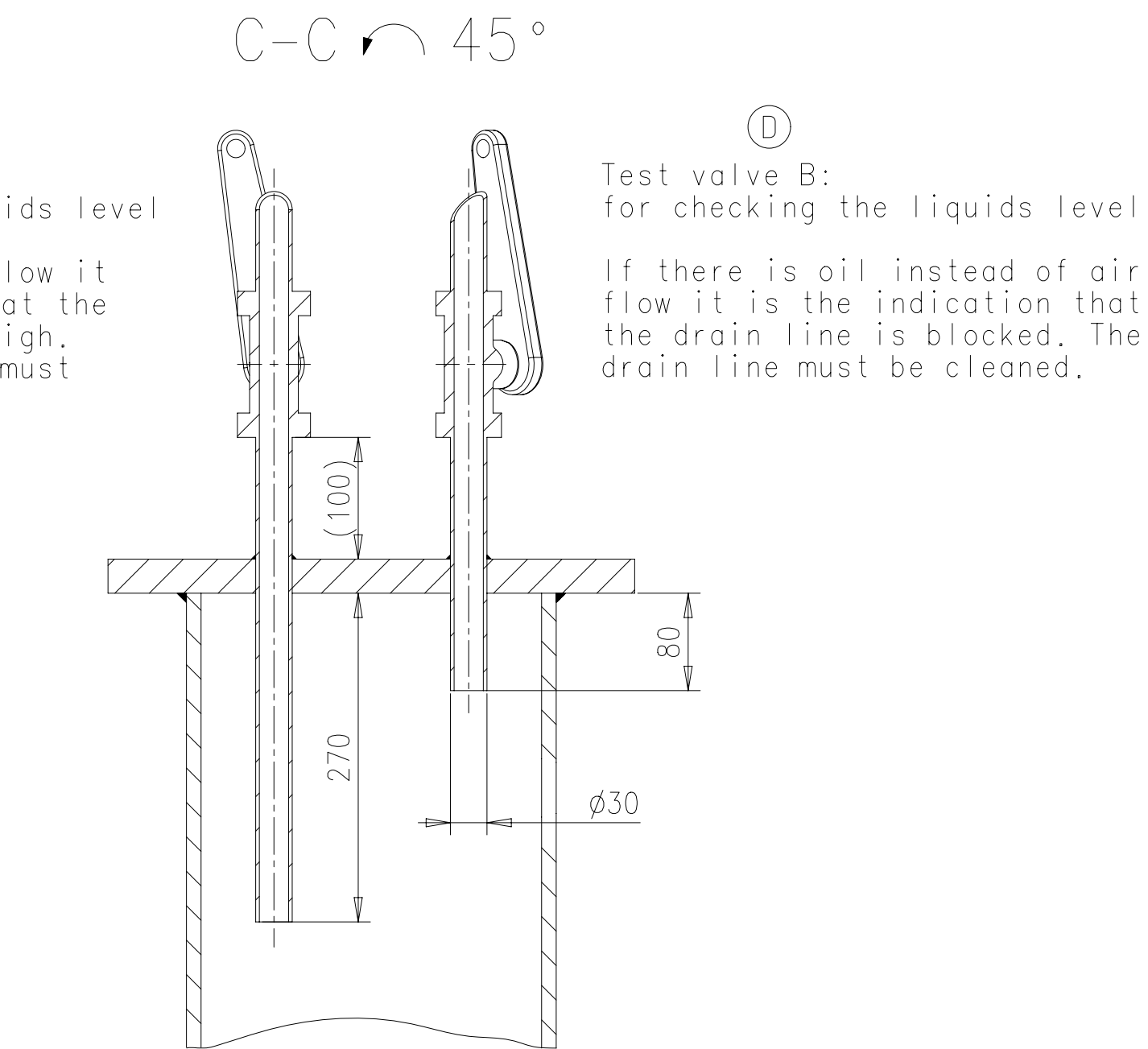
Prod.	X62DF-2.1													
Change History														
	B	dkl021	mhu019	19.12.2022	CNAA002848	Drawing Updated				4	3			
	A	rth101	mhu019	22.11.2022	CNAA002751	Drawing Updated				4	3			
	-	sde101	mhu019	29.06.2022	CNAA002055	new Design				-	-			
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis				Approved	Activity Code	E	C	
<div> Winterthur Gas & Diesel</div>					LEAKAGE COLLECTION/WASHING SYS. iCER off-engine									
separate BOM available					Dimension iCER off-engine									
Scale	-		NX	Units [mm] [kg]	Basic Material				Net Weight 0.001					
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					Qty per		A3	Item ID	PTAA037102		Drawing Page/s		1/2	

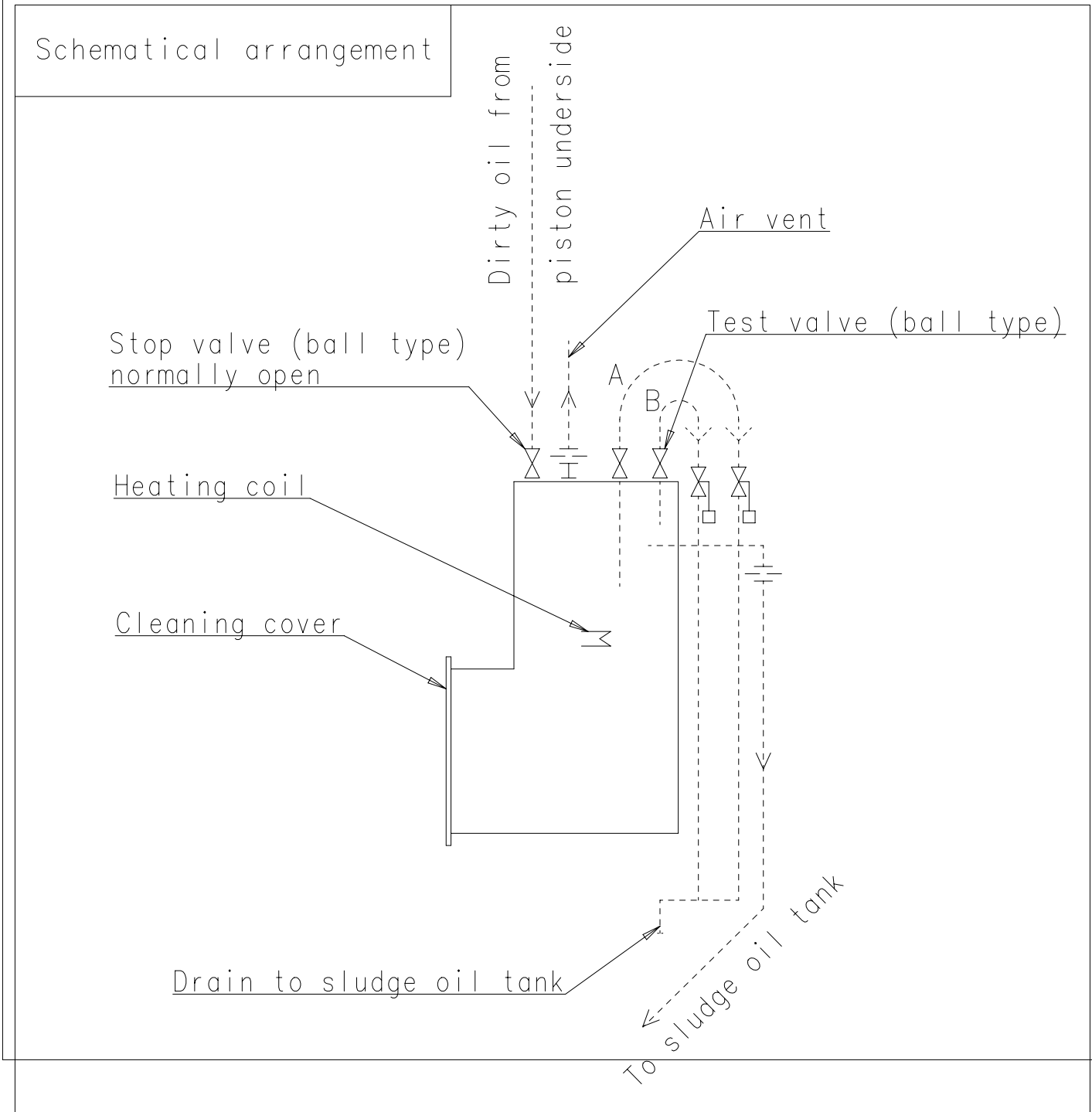


Ⓓ

Test valve A:
for checking the solids level

If there is no oil flow it
is the indication that the
solid level is too high.
The sludge oil trap must
be cleaned.



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:	150 l	100 l
	Testing pressure:	4 bar	6 bar
	Temperatur:	6 bar	80°C
Schematical arrangement			
			

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TOLERANCING PRINCIPLE ISO8015				Main Design			
GENERAL TOLERANCES ACCORDING TO ISO2768-mK				Design Group			
				Qty per			
				A1			
				Item ID			
				107.425.369.500			
				Drawing Page/s			
				1/1			

1

2

3

4

A

B

C

D

E

F

SURFACE PROTECTION SEE GROUP 03/44

TOLERANCING PRINCIPLE ISO8015

GENERAL TOLERANCES ACCORDING TO ISO2768-mK

Available executions

Execution No.	Material ID	Cylinder No.
001	PAAD359821	5-7

NOTE

The above executions can be configured using the Engine Configurator. Detailed guidance for the executions is provided within the Marine Installation Manual (MIM). If a specific execution of interest is not shown in the above table, then it may still be under development or not available. For further information or in case of a project-specific request, WinGD must be contacted directly.

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Prod.									
Change History									
	-	sna102				new Design			
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Activity Code	E	C

WIN GD

Winterthur Gas & Diesel

LEAKAGE COLLECTION/WASHING SYS.
MIDS master drawing

separate BOM available

Dimension

Scale	-	
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SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
1	1	PAAD359593	LEAKAGE COLLECTION/WASHING SYS.				0.001

<div> <div>NOT VALID FOR NEW PROJECTS!</div> <div>Provided only as reference for projects contracted before April 2022</div> </div>							
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Prod.	5,6,7 X62DF-2.1							
Change History								
	-	dkio21	mhu019	04.12.2020		-	-	-
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Activity Code	E C

<div> <div>WIN GD</div> <div>Winterthur Gas & Diesel</div> </div>	LEAKAGE COLLECTION/WASHING SYS.
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Bill Of Material		Dimension					
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		Main Design	Yes	Design Group	9724	Q-Code	XXXXX
		Qty per	Engine	A4	Item ID	PAAD359821	BOM Page/s
							0.001
							WDS
							01/01

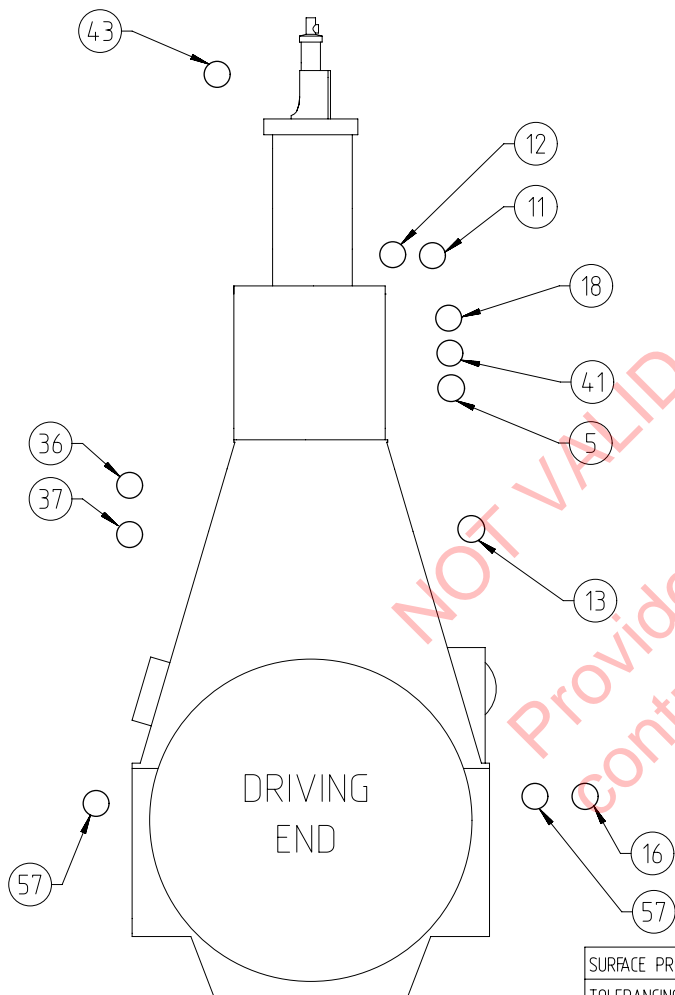
SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
001	1	107.425.369.500	SLUDGE OIL TRAP				0.001

<div> <div>NOT VALID FOR NEW PROJECTS!</div> <div>Provided only as reference for projects contracted before April 2022</div> </div>							
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
Prod.	X62DF-2.1								
Change History									
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	A	mhu019	dst009	20.12.2021	CNAA001054	Drawing Updated			4 3
	-	dkl021	mhu019	04.12.2020		-			- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	E C
<div> <div>WIN GD</div> <div>Winterthur Gas & Diesel</div> </div>					LEAKAGE COLLECTION/WASHING SYS.				
Bill Of Material					Dimension				
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					Main Design		Design Group 9724		Q-Code XXXXX Standard WDS
					Qty per		A4	Item ID PAAD359593	BOM Page/s 01/01

SPECIFICATION which must be met:

43	OUTLET - Venting turbocharger - Venting to funnel - Minimum inclination according to TC suppliers specification - Must not be connected to other venting pipes.
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 freshwater hydrophore system
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 washing water collection tank or to the EGC bleed-off line depending on the operation mode. - The system components downstream of this connection until the pH-neutralisation dosing unit must be designed for low pH operation.
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.
41	OUTLET - Venting crankcase - Venting to funnel - Must not be connected to other venting pipes.

Prod.	X62DF-2.1																
Change History	B	sde101	nmh019	08.03.2022	CNA001054	Drawing Updated				4	3						
	A	mhu019	dst009	20.12.2021	CNA001054	Drawing Updated				4	3						
	-	dkl021	mhu019	04.12.2020		-				-	-						
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis				Approved	Activity Code	E	C				
						LEAKAGE COLLECTION/WASHING SYS.											
separate BOM available					Dimension												
Scale	-		NX	Units [mm] [kg]		Basic Material				Net Weight		0.001					
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				Qty per		A3		Item ID		PAAD359593		Drawing Page/s		1/2			

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

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	A
	B
	C
	D
	E
	F
	G
	H
	J
	K
	L
B	
M	

MIDS - WinGD X62DF-2.1 – Leakage Collection & Washing System (DG9724)

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2020-12-10	DRAWING SET	First web upload
2021-12-22	PAAD359593	System drg – new revision
2022-03-10	PAAD359593 107.425.369.500	System drgs – new revision
2022-06-29	PTAA037102 PTAA037457	System and main drg – new drgs as replacement of previous drawing set
2022-12-01	PTAA037102	System drg – new revision
2022-12-20	PTAA037102	System drg – new revision

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