


SEQ NO	QTY	Item ID	Item Name		Dimension	Standard-ID	Basic Material		Net Weight
001	1	PTAA073703	LEAKAGE COLLECTION/WASHING SYS.						0.001
Prod.	5,6,7,8 X62DF-S2.0								
Change History									
	A	sde101	mhu019	03.06.2024	CNAA005807	Drawing update			4 3
	-	npa101	mhu019	16.02.2024	CNAA004270	New MainDesign			- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	E C
<div>WINGD</div>				LEAKAGE COLLECTION/WASHING SYS. Tier III, on-engine iCER					
Bill Of Material				Dimension					
Copyright WinGD Ltd. All rights reserved. By taking possession of the document the recipient recognizes and honours these rights. Neither the whole nor any part of this document may be used in any way for construction, fabrication, marketing or any other purpose nor copied in any way nor made accessible to third parties without the previous written consent of WinGD Ltd.				Units [m] [kg]		Basic Material		Net Weight 0	
				Main Design Yes		Design Group 9724		Q-Code X X M	Standard WDS
				Qty per Engine		A4	Item ID PTAA073708		BOM Page/s

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-S2.0						
Change History							
	A	sde101	mhu019	03.06.2024	CNAA005807	Drawing update	4 3
	-	npa101	mhu019	16.02.2024	CNAA004270	new Design	- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved Activity Code E C
			LEAKAGE COLLECTION/WASHING SYS. Tier III, on-engine iCER				
Bill Of Material			Dimension				
Copyright WinGD Ltd. All rights reserved. By taking possession of the document the recipient recognizes and honours these rights. Neither the whole nor any part of this document may be used in any way for construction, fabrication, marketing or any other purpose nor copied in any way nor made accessible to third parties without the previous written consent of WinGD Ltd.			Units [m] [kg]		Basic Material		Net Weight 0.001
			Main Design		Design Group 9724 Q-Code X X M		Standard WDS
			Qty per		A4	Item ID PTAA073703	BOM Page/s 01/01

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 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

SYSTEM PROPOSAL

NOTE
Further installation details and variants can be found listed in the Marine Installation Manual (MIM), which provides also the acronyms used in this drawing set. The piping symbols are explained by the piping symbol key as included in the drawing set "Various Installation Items".

EXHAUST SIDE

MAIN ENGINE

B*6) *7)

A*6)

EC09

EC02

EC07

EC06

EC08

EC05

EC01

EC03

EC04

*13)

*14)

*12)

*13)

*14)

*13)

*14)

*13)

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*13)

*14)

working air 7-9 bar

From clean water holding tank or SAC wetting buffer tank (as defined in MIDS, DG9721)

venting *5)

to oily water drain tank

to EGC wastewater holding tank (as defined in MIDS, DG9721)

Freshwater filling

Chemical washing agent filling

Drain

to bilge water drain tank

to oily water drain tank

to water drain tank

LI

TI

LAb

LAb

LAb

LAb

LAb

LAb

LAb

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H J K L M

SYSTEM PROPOSAL

NOTE
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EXHAUST SIDE

MAIN ENGINE

B*6) *7)

EC09

EC02

EC07

EC06

EC08

EC05

EC01

EC03

EC04

*13)

*12)

*14)

002

001

LI

TI

LAb

working air 7-9 bar

From clean water holding tank or SAC wetting buffer tank (as defined in MIDS, DG9721)

venting *5)

to oily water drain tank

to EGC wastewater holding tank (as defined in MIDS, DG9721)

min. 15°

Freshwater filling

Chemical washing agent filling

Drain

003

007

008

LI

TI

LAb

to bilge water drain tank

to oily water drain tank

to water drain tank

004

006

12

41

11

15

40

100

37

005

*13)

32

32

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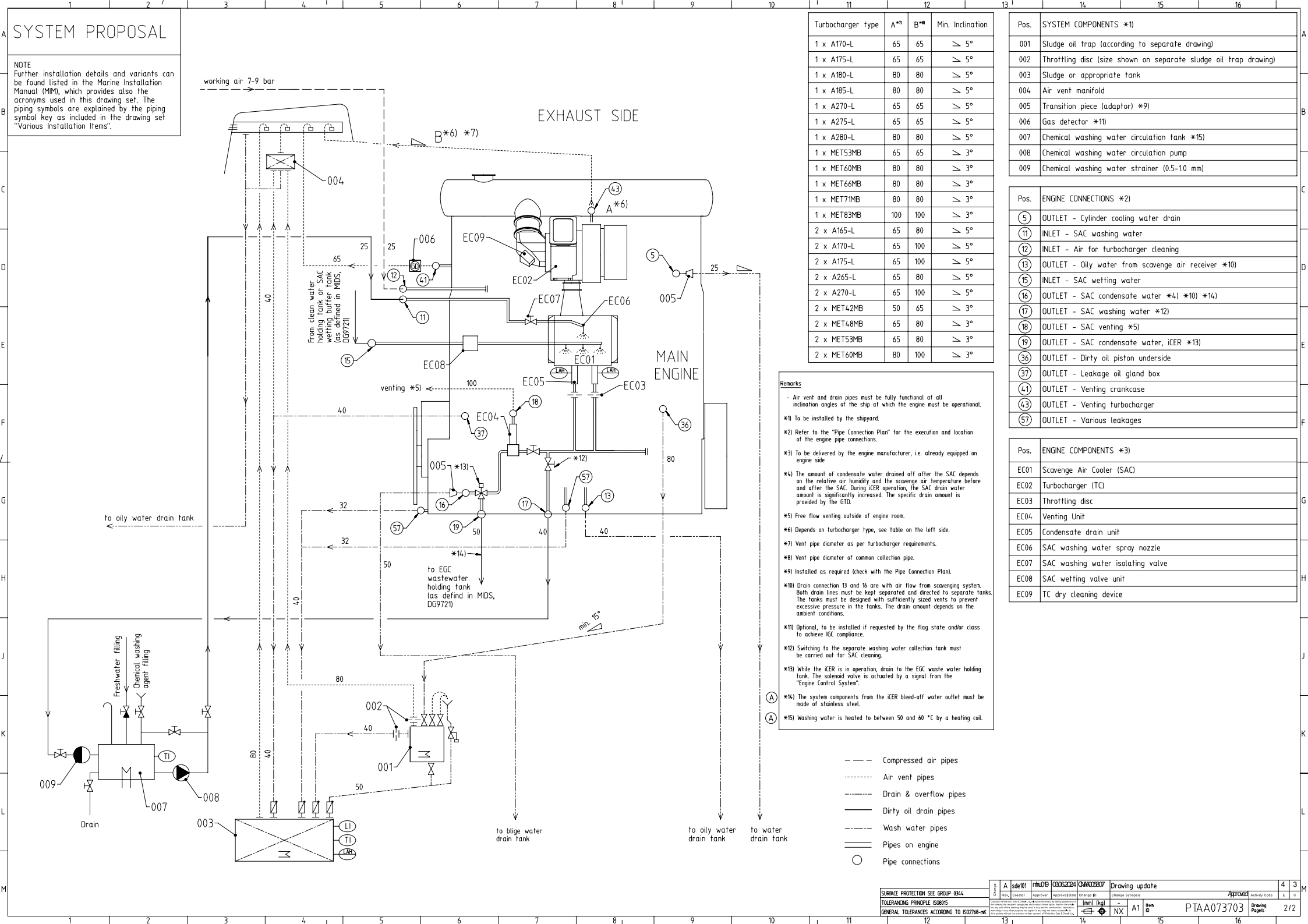
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H J K L M

SYSTEM PROPOSAL

NOTE
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EXHAUST SIDE

MAIN ENGINE

B*6) *7)

EC09

EC02

EC07

EC06

EC08

EC05

EC01

EC03

EC04

*13)

*12)

*14)

002

001

LI

TI

LAb

working air 7-9 bar

From clean water holding tank or SAC wetting buffer tank (as defined in MIDS, DG9721)

venting *5)

to oily water drain tank

to EGC wastewater holding tank (as defined in MIDS, DG9721)

min. 15°

Freshwater filling

Chemical washing agent filling

Drain

003

007

008

LI

TI

LAb

to bilge water drain tank

to oily water drain tank

to water drain tank

004

006

12

41

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*13)

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SYSTEM PROPOSAL

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EXHAUST SIDE

MAIN ENGINE

B*6) *7)

A*6)

EC09

EC02

EC07

EC06

EC01

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EC04

EC08

EC05

EC03

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EC02

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EC06

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EC05

- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

SYSTEM PROPOSAL

NOTE
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EXHAUST SIDE

MAIN ENGINE

B*6) *7)

EC09

EC02

EC07

EC06

EC08

EC05

EC01

EC03

EC04

*13)

*12)

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- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H J K L M

SYSTEM PROPOSAL

NOTE
Further installation details and variants can be found listed in the Marine Installation Manual (MIM), which provides also the acronyms used in this drawing set. The piping symbols are explained by the piping symbol key as included in the drawing set "Various Installation Items".

EXHAUST SIDE

MAIN ENGINE

B*6) *7)

EC09

EC02

EC07

EC06

EC08

EC05

EC01

EC03

EC04

*13)

*12)

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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 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

SYSTEM PROPOSAL

NOTE
Further installation details and variants can be found listed in the Marine Installation Manual (MIM), which provides also the acronyms used in this drawing set. The piping symbols are explained by the piping symbol key as included in the drawing set "Various Installation Items".

EXHAUST SIDE

MAIN ENGINE

working air 7-9 bar

From clean water holding tank or SAC wetting buffer tank (as defined in MIDS, DG9721)

venting *5)

to oily water drain tank

to EGC wastewater holding tank (as defined in MIDS, DG9721)

Freshwater filling
Chemical washing agent filling

Drain

to bilge water drain tank

to oily water drain tank

to water drain tank

LI
TI
LAb

min. 15°

B*6) *7)

EC09
EC02
EC07
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EC08
EC05
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EC03

A*6)
43

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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 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

SYSTEM PROPOSAL

NOTE
Further installation details and variants can be found listed in the Marine Installation Manual (MIM), which provides also the acronyms used in this drawing set. The piping symbols are explained by the piping symbol key as included in the drawing set "Various Installation Items".

EXHAUST SIDE

MAIN ENGINE

working air 7-9 bar

From clean water holding tank or SAC wetting buffer tank (as defined in MIDS, DG9721)

venting *5)

to oily water drain tank

to EGC wastewater holding tank (as defined in MIDS, DG9721)

Freshwater filling
Chemical washing agent filling

Drain

to bilge water drain tank

to oily water drain tank

to water drain tank

LI
TI
LAb

B*6) *7)

EC09

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*13)

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002

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003

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min. 15°

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SYSTEM PROPOSAL

NOTE
Further installation details and variants can be found listed in the Marine Installation Manual (MIM), which provides also the acronyms used in this drawing set. The piping symbols are explained by the piping symbol key as included in the drawing set "Various Installation Items".

The diagram illustrates the exhaust side main engine system, detailing the flow paths for air, water, and oil. Key components include the Main Engine, Turbocharger (A*), Exhaust Cooler (EC), and various pumps and tanks. The system is divided into sections for working air (7-9 bar), clean water/SAC wetting buffer tank (as defined in MIDS, DG9721), oily water drain tank, EGC wastewater holding tank (as defined in MIDS, DG9721), bilge water drain tank, and water drain tank.

Turbocharger type	A**	B**	Min. Inclination
1 x A170-L	65	65	≥ 5°
1 x A175-L	65	65	≥ 5°
1 x A180-L	80	80	≥ 5°
1 x A185-L	80	80	≥ 5°
1 x A270-L	65	65	≥ 5°
1 x A275-L	65	65	≥ 5°
1 x A280-L	80	80	≥ 5°
1 x MET53MB	65	65	≥ 3°
1 x MET60MB	80	80	≥ 3°
1 x MET66MB	80	80	≥ 3°
1 x MET71MB	80	80	≥ 3°
1 x MET83MB	100	100	≥ 3°
2 x A165-L	65	80	≥ 5°
2 x A170-L	65	100	≥ 5°
2 x A175-L	65	100	≥ 5°
2 x A265-L	65	80	≥ 5°
2 x A270-L	65	100	≥ 5°
2 x MET42MB	50	65	≥ 3°
2 x MET48MB	65	80	≥ 3°
2 x MET53MB	65	80	≥ 3°
2 x 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)
007	Chemical washing water circulation tank *15)
008	Chemical washing water circulation pump
009	Chemical washing water strainer (0.5-1.0 mm)

Pos. ENGINE CONNECTIONS *2)

(5)	OUTLET - Cylinder cooling water drain
(11)	INLET - SAC washing water
(12)	INLET - Air for turbocharger cleaning
(13)	OUTLET - Oily water from scavenge air receiver *10)
(15)	INLET - SAC wetting water
(16)	OUTLET - SAC condensate water *4) *10) *14)
(17)	OUTLET - SAC washing water *12)
(18)	OUTLET - SAC venting *5)
(19)	OUTLET - SAC condensate water, iCER *13)
(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 (SAC)
EC02	Turbocharger (TC)
EC03	Throttling disc
EC04	Venting Unit
EC05	Condensate drain unit
EC06	SAC washing water spray nozzle
EC07	SAC washing water isolating valve
EC08	SAC wetting valve unit
EC09	TC dry cleaning device

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 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. During ICER operation, the SAC drain water amount is significantly increased. The specific drain amount is provided by the GTD.
- *5) Free flow venting outside of engine room.
- *6) Depends on 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. Both drain lines must be kept separated and directed to separate tanks. The tanks must be designed with sufficiently sized vents to prevent excessive pressure in the tanks. The drain amount depends on the ambient conditions.
- *11) Optional, to be installed if requested by the flag state and/or class to achieve IGC compliance.
- *12) Switching to the separate washing water collection tank must be carried out for SAC cleaning.
- *13) While the ICER is in operation, drain to the EGC waste water holding tank. The solenoid valve is actuated by a signal from the "Engine Control System".
- *14) The system components from the ICER bleed-off water outlet must be made of stainless steel.
- *15) Washing water is heated to between 50 and 60 °C by a heating coil.

Piping Symbols:

- Compressed air pipes
- Air vent pipes
- Drain & overflow pipes
- Dirty oil drain pipes
- Wash water pipes
- Pipes on engine
- Pipe connections

Legend:

- LI: Low Inlet
- TI: Temperature Indicator
- LH: Low Head

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

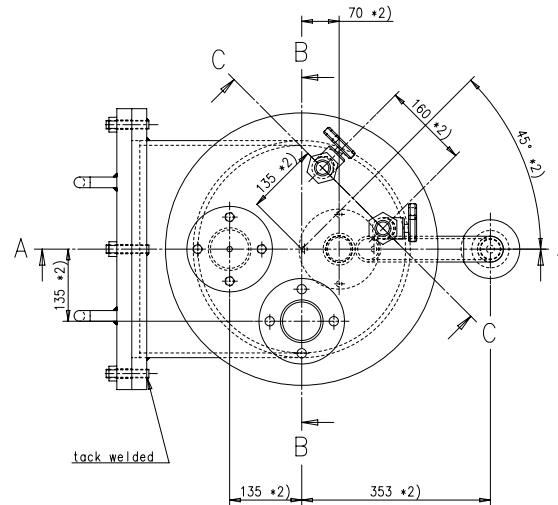
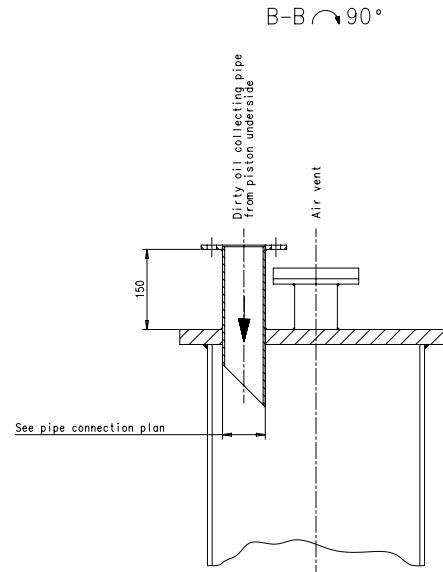
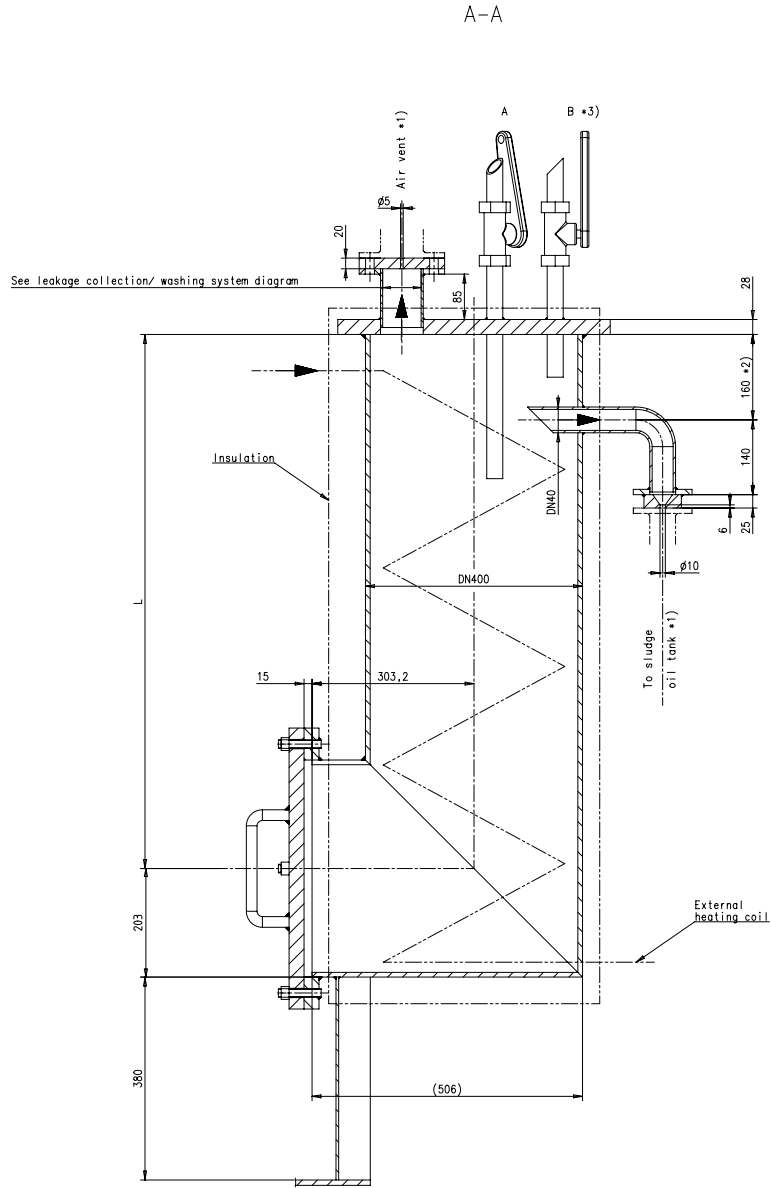
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Change	By	Date	Description
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2	0101	03/03/2024	Design update

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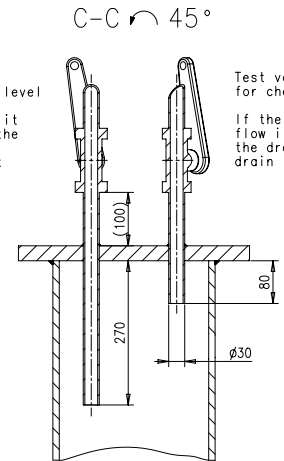
Part No.	Rev.	Material	Quantity
PTAA073703	1	Stainless Steel	1

Page Information: 4 / 3



①
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.



①
Test valve B:
for checking the liquids level

If there is oil instead of air
flow it is the indication that
the drain line is blocked.
The drain line must be cleaned.

Remarks:

*1) Orifice to be as shown

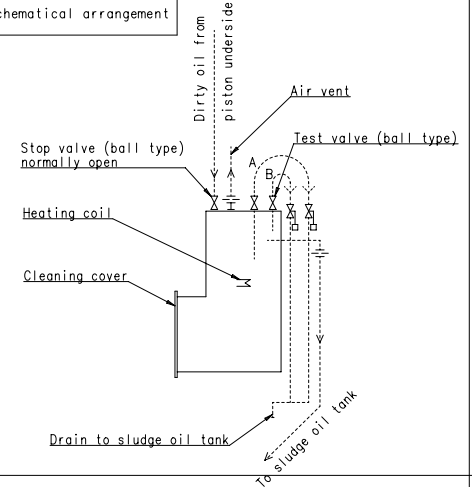
*2) Observe location of pipes with regard to each other

*3) Optional - Alternatives, such as level sensors, are possible

Details:

	L = 1000	L = 550
Cylinder bore size:	55-96	35-54
Capacity:	150 l	100 l
Working pressure:	4 bar	
Testing pressure:	6 bar	
Temperature:	80°C	

Schematic arrangement



Proj.	CX40DF	RT-flex50-D	RT-flex50-T-D V1	RT-flex50-T-E	RT-flex50-L	RT-flex50-D	RT-flex50-D	RT-flex50-D	X35-B
Change history	D sde101	mhu018	10.01.2022	0A400373	drawing updated	4	3		
	C sde101	mhu019	10.09.2018	EAA0089439	Legacy information. See corresponding ChangeNotice	4	-		
	B dki021	mhu019	16.07.2017	EAA0087849	Legacy information. See corresponding ChangeNotice	4	-		
	Rev	WnGD	jba029	13.11.2009	-	-	-	-	-
Rev	Creator	Approved	Approved Date	Change ID	Change Synopsis	Approved	Activity Code	E	C
WINGD Winterthur Gas & Diesel									
SLUDGE OIL TRAP									
Scale: 1:5 Units: [mm] [kg] Basic Material: NX Main Design: Design Group: 9724 Q-Code: XXXXX Standard: WDS Item ID: 107.425.369.500 Drawing Page: 1/1									

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

	1	2	3	4																																																													
A	<div>Available executions</div> <table><thead><tr><th rowspan="2">Execution No.</th><th rowspan="2">Material ID</th><th rowspan="2">Cylinder No.</th><th colspan="2">Attribute 1: Turbocharger amount</th></tr><tr><th>1 TC</th><th>2 TC</th></tr></thead><tbody><tr><td>001</td><td>PTAA023579</td><td>5-7</td><td>X</td><td></td></tr><tr><td>002</td><td>PTAA028607</td><td>7-8</td><td></td><td>X</td></tr></tbody></table>				Execution No.	Material ID	Cylinder No.	Attribute 1: Turbocharger amount		1 TC	2 TC	001	PTAA023579	5-7	X		002	PTAA028607	7-8		X	A																																											
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C	<div>NOTE</div> <p>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.</p> <p>This publication is designed to provide accurate and authoritative information with regard to the subject-matter covered as it 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 cannot accept any responsibility or liability for any eventual errors or omissions in this document 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.</p>				C																																																												
D	<div>Prod.</div> <table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <div>Change History</div> <table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>-</td><td>sna102</td><td></td><td></td><td></td><td></td><td>new Design</td><td></td><td></td><td></td></tr><tr><td>Rev.</td><td>Creator</td><td>Approver</td><td>Approval Date</td><td>Change ID</td><td>Change Synopsis</td><td></td><td>Activity Code</td><td>E</td><td>C</td></tr></table>																																												-	sna102					new Design				Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis		Activity Code	E	C	D
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F	<div>separate BOM available</div> <div>Dimension</div> <table><tr><td>Scale</td><td>-</td><td></td><td>NX</td><td>Units [mm] [kg]</td><td>Basic Material</td><td>Net Weight</td><td>0.001</td></tr><tr><td colspan="4" rowspan="2">Copyright Winterthur Gas & Diesel Ltd. All rights reserved. By taking possession of the drawing the recipient recognizes and honours these rights. Neither the whole nor any part of this drawing may be used in any way for construction, fabrication, marketing or any other purpose nor copied in any way nor made accessible to third parties without the previous written consent of Winterthur Gas & Diesel Ltd.</td><td>Main Design</td><td>Design Group 9724</td><td>Q-Code XXXXX</td><td>Standard WDS</td></tr><tr><td>Qty per</td><td>A4</td><td>Item ID PTAA023578</td><td>Drawing Page/s 1/1</td></tr></table>				Scale	-		NX	Units [mm] [kg]	Basic Material	Net Weight	0.001	Copyright Winterthur Gas & Diesel Ltd. All rights reserved. By taking possession of the drawing the recipient recognizes and honours these rights. Neither the whole nor any part of this drawing may be used in any way for construction, fabrication, marketing or any other purpose nor copied in any way nor made accessible to third parties without the previous written consent of Winterthur Gas & Diesel Ltd.				Main Design	Design Group 9724	Q-Code XXXXX	Standard WDS	Qty per	A4	Item ID PTAA023578	Drawing Page/s 1/1	F																																								
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SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
1	1	PTAA023184	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-S2.0						
Change History							
	-	sna102	mhu019	16.03.2022	CNAA001361	Main Design/Drawing Introduced	-
	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	Standard	WDS
	Qty per	Engine	A4	Item ID	PTAA023579		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

<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-S2.0								
Change History									
	-	sde101	mhu019	16.03.2022	CNAA001361	new Design		-	-
	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.
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Bill Of Material		Dimension							
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	Main Design		Design Group		9724	Q-Code	XXXXX	Standard	WDS
	Qty per	A4	Item ID	PTAA023184			BOM Page/s	01/01	

SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
1	1	PTAA028569	LEAKAGE COLLECTION/WASHING SYS.				0.001

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Prod.	7,8 X62DF-S2.0													
Change History														
	-	sde101	mhu019	16.03.2022	CNAA001361	Main Design/Drawing Introduced				-	-			
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis				Activity Code	E	C		
<div>WIN GD</div> <div>Winterthur Gas & Diesel</div>					LEAKAGE COLLECTION/WASHING SYS.									
Bill Of Material					Dimension									
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					Main Design		Yes	Design Group		9724	Q-Code	XXXXX	Standard	WDS
					Qty per		Engine	A4	Item ID		PTAA028607		BOM Page/s	01/01

SEQ NO	QTY	Item ID	Item Name	Dimension	Standard-ID	Basic Material	Net Weight
1	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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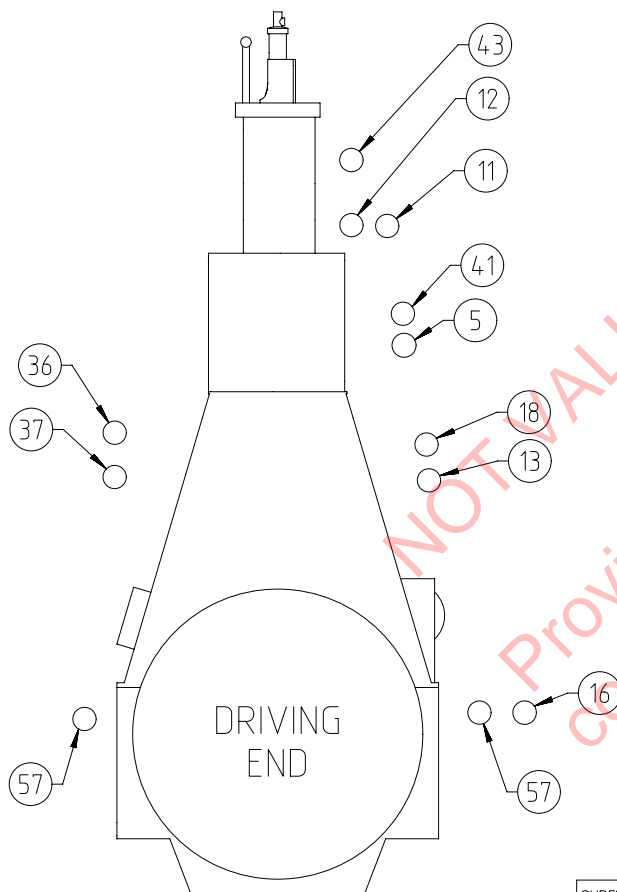
Prod.	X62DF-S2.0								
Change History									
	-	sde101	mhu019	16.03.2022	CNAA001361	new Design			- -
	Rev.	Creator	Approver	Approval Date	Change ID	Change Synopsis	Approved	Activity Code	E C

<div> <div>WIN GD</div> <div>Winterthur Gas & Diesel</div> </div>	LEAKAGE COLLECTION/WASHING SYS.
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Bill Of Material		Dimension							
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		Main Design			Design Group		9724	Q-Code	XXXXX
		Qty per			A4	Item ID		PTAA028569	
							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.	(5)	OUTLET - Cylinder cooling water drain. - Gravity flow to cooling water drain tank or appropriate tank.	A
		(11)	INLET - Washing water SAC - From freshwater hydrophore system	
(57)	OUTLET - Various leakages - Gravity flow to sludge tank or appropriate tank.	(12)	INLET - Air for cleaning plants TC and SAC - Working air, supply pressure: 7-9 bar	
		(13)	OUTLET - Oily water from scavenge air receiver	



(5)	OUTLET - Cylinder cooling water drain. - Gravity flow to cooling water drain tank or appropriate tank.	A
(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.	B
(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°	C
(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.	D

[illegible]

NOTE
Further installation details and variants can be found listed in the Marine Installation Manual (MIM), which provides also the acronyms used in this drawing set. The piping symbols are explained by the piping symbol key as included in the drawing set "Various Installation Items".



	14	15	16	
Pos.	SYSTEM COMPONENTS *1)			
001	Sludge oil trap (link to detail drawing on the partlist of this 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)			
007	pH-neutralisation dosing unit with *16) 007a - NaOH dosing pump 007b - pH sensor			
008	NaOH storage tank *15) *16)			

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

- - - - - Compressed air pipes
 Air vent pipes
 - . - . - . Drain & overflow pipes
 ————— Washing water pipes
 - - - - - Dirty oil drain pipes
 ===== Pipes on engine
 ○ Pipe connections

MIDS – Leakage Collection & Washing System (DG9724)

WinGD X62DF-S2.0

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2022-03-16	DRAWING SET	First web upload
2022-06-30	PTAA037458 PTAA037107	System and main drgs – new drgs as replacement for the previous drawing set added
2022-12-02	PTAA037107	New revision
2022-12-20	PTAA037107	New revision
2024-04-22	PTAA073703— PTAA073708--	New drawings
2024-06-05	PTAA073708A PTAA073703A	New revision

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