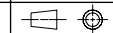


1 2 3 4 5 6 7 8

A
B
C
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F

A
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F

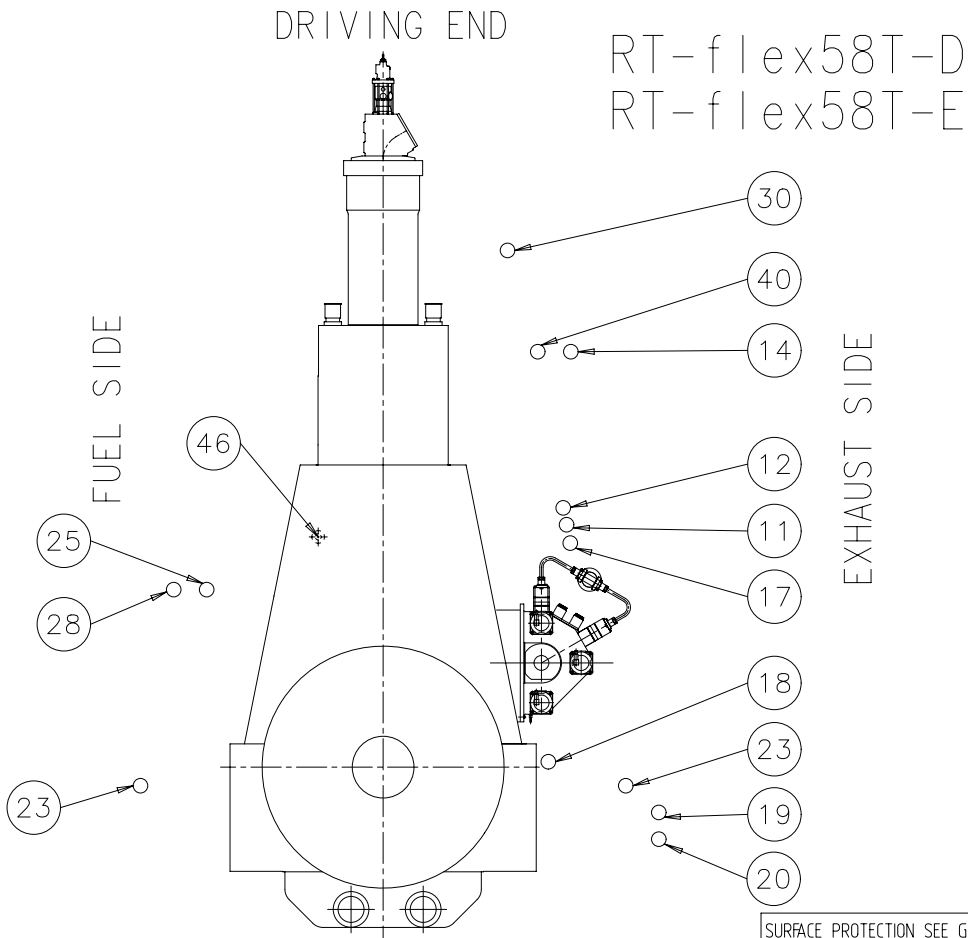
Net Weight		0,001		1		001		107.328.354.500		LEAKAGE COLLECT./ WASHING SYSTEM		107.328.354		0,001	
Quantity PER ENGINE	SEQ NO	Material ID	Material Name	Dimension, Occ	Standard or Drawing	Basic Material	Material Standard	Weight GR./NET							
107.330.587.200	Free space for lic.											Q-Code XXXXXX	Main Drw. H		
Material ID	Modif.	Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date						
	A	7-77597	30.06.2010	B	EAAD090104	12.09.2019									
			Product 5-8RT-flex58T-D 5-8RT-flex58T-E			LEAKAGE COLLECTION/WASHING SYS. LEAKAGE COLLECTION/WASHING SYS.									
Units	mm kg	NX				Basic Material				Net Weight					
SURFACE PROTECTION SEE GROUP 0344		Made	01.11.2002 S.STYLIANOU		Scale	-		Size	A3	Page	1/1		Material ID		
TOLERANCING PRINCIPLE ISO8015		Chkd			Design Group	9724		Drawing ID	107.330.587			Rev.	B		
GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Appd	09.01.2003 SNA001												

Approved

ASD - ASSEMBLY DRAWING - Internal

SPECIFICATION which must be met (H)

28	OUTLET - Leakage oil gland box - Gravity flow to sludge tank or appropriate tank.	11	OUTLET - Oily water from scavenge air receiver - Gravity flow to oily water tank or appropriate tank.
30	OUTLET - Venting turbocharger - Venting to funnel - Minimum inclination according to TC suppliers specification - Must be not connected to other venting pipes.	12	OUTLET - Cylinder cooling water drain. - Gravity flow to cooling water drain tank or appropriate tank.
40	INLET - Air for cleaning plants TC and SAC - Working air, supply pressure: 7-9 bar	14	INLET - Washing water SAC - From fresh water hydrophore system, supply pressure: 2.5 bar
46	OUTLET - Venting crank case - Venting to funnel - Must not be connected to other venting pipes.	17	OUTLET - SAC venting - Free flow outside of engine room
		18	OUTLET - Leakage servo oil from piping supply unit - Gravity flow to dirty lubricating oil tank.
		19	OUTLET - SAC condensate water - Gravity flow to bilge water tank or appropriate tank.
		20	OUTLET - Washing water from scavenge air coller. - Gravity flow to bilge water or chemical cleaning tank.
		23	OUTLET - Various leakages - Gravity flow to sludge tank or appropriate tank.
		25	OUTLET - Dirty oil piston underside - Flow with SAC pressure to sludge oil trap or appropriate arrangement. - Min. inclination of drain pipe: 60 %



1	001	107.425.369.500	SLUDGE OIL TRAP	107.425.369			0,001					
QTY	SEQ NO	Material ID	Material Name	Dimension, Occ	Standard or Drawing	Basic Material Material Standard	Weight GR./NET					
						Q-Code XXXXXX	Main Drw.					
						Standard ISO; JIS						
Modif.	E	7-77.997	10.06.2010	F	EAAD084349	30.01.2013	G	EAAD087538	26.04.2017	H	EAAD090104	14.12.2018
		Number	Drawn date		Number	Drawn date		Number	Drawn date		Number	Drawn date

WINGD
Winterthur Gas & Diesel

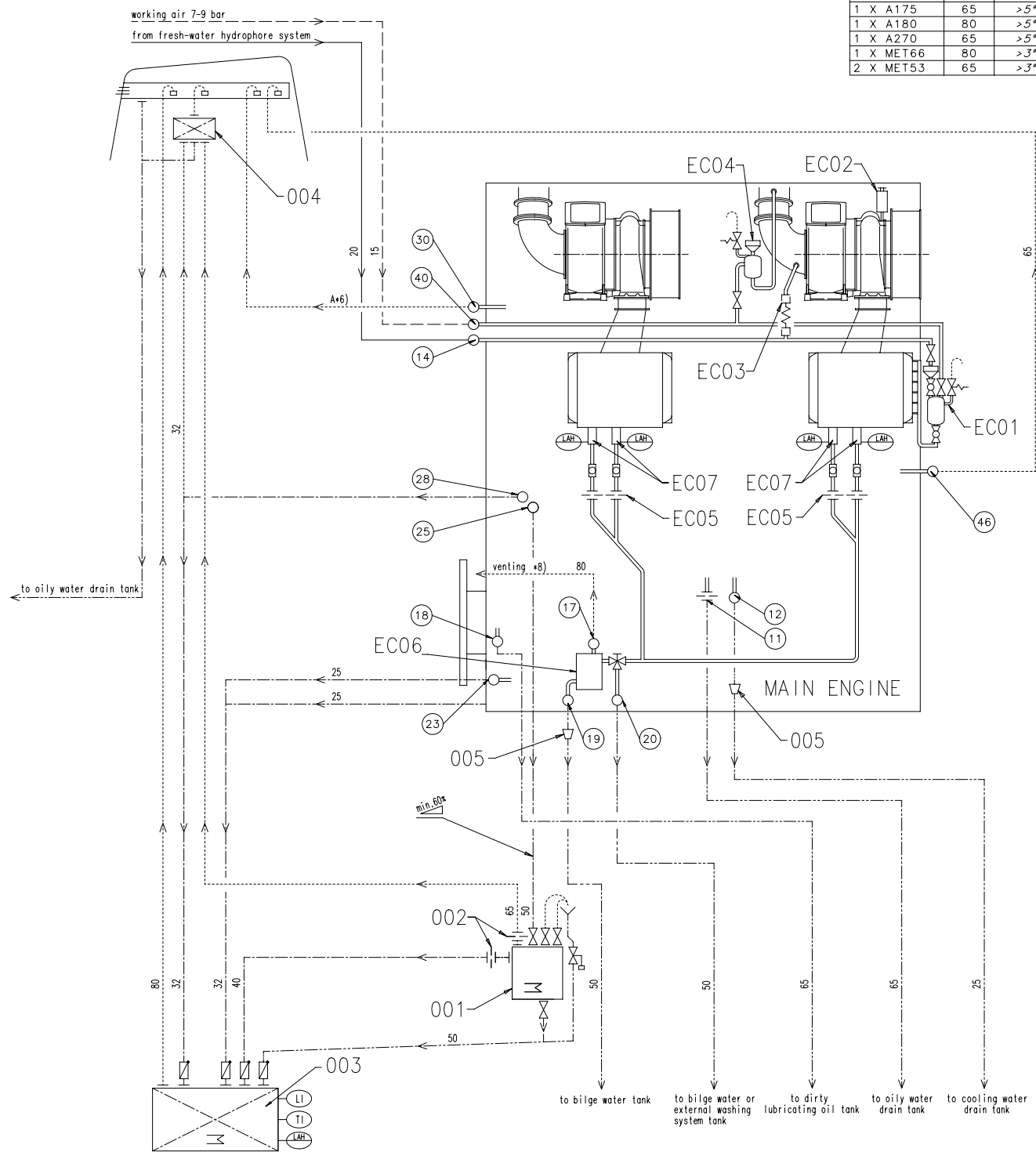
Product
RT-flex58T-D
RT-flex58T-E

LEAKAGE COLLECTION/WASHING SYS.
SYSTEM DIAGRAM
LEAKAGE COLLECTION/WASHING SYS.

Units	mm kg	NX	Basic Material	Net Weight	0,001
SURFACE PROTECTION SEE GROUP 0344	Made	20.06.2002	S. STYLIANOU	Scale	-
TOLERANCING PRINCIPLE ISO8015	Chkd			Design Group	9724
GENERAL TOLERANCES ACCORDING TO ISO2768-mK	Appd	09.01.2003	SNA001	Size	A3
				Page	1/2
				Material ID	107.328.354.500
				Drawing ID	107.328.354
				Rev.	H

Approved
DIMENSIONAL DRAWING - Confidential

SYSTEM PROPOSAL



TC type	A #6)	Inclination
2 X A165	65	>5°
1 X A170	65	>5°
1 X A175	65	>5°
1 X A180	80	>5°
1 X A270	65	>5°
1 X MET66	80	>3°
2 X MET53	65	>3°

Pos.	SYSTEM COMPONENTS *1) (H)
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) (H)
(11)	OUTLET - Oily water from scavenge air receiver *12)
(12)	OUTLET - Cylinder cooling water drain
(14)	INLET - Washing water SAC
(17)	OUTLET - SAC venting *8)
(18)	OUTLET - Leakage servo oil from piping supply unit *11)
(19)	OUTLET - SAC condensate water *4) *12)
(20)	OUTLET - Washing water from scavenge air collar
(23)	OUTLET - Various leakages
(25)	OUTLET - Dirty oil piston underside
(28)	OUTLET - Leakage oil gland box
(30)	OUTLET - Venting turbocharger
(40)	INLET - Air for cleaning TC and SAC
(46)	OUTLET - venting crankcase

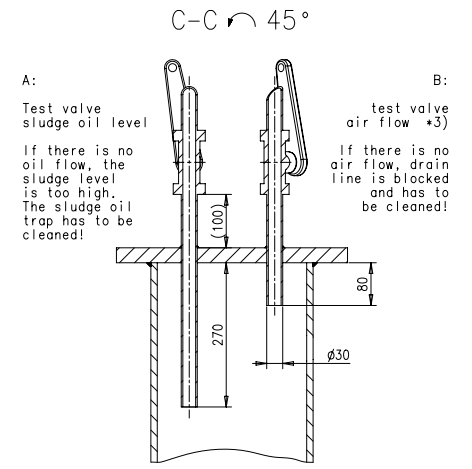
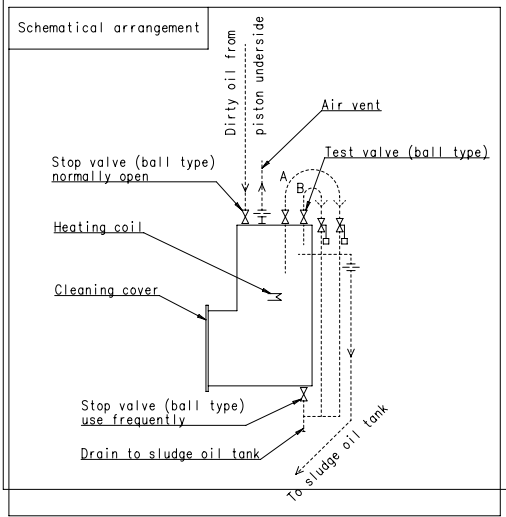
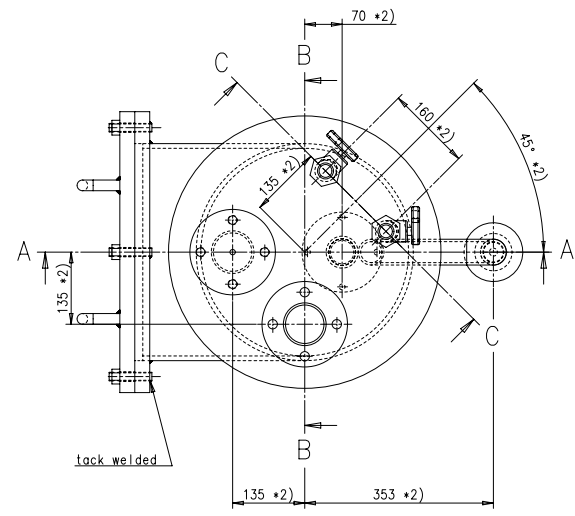
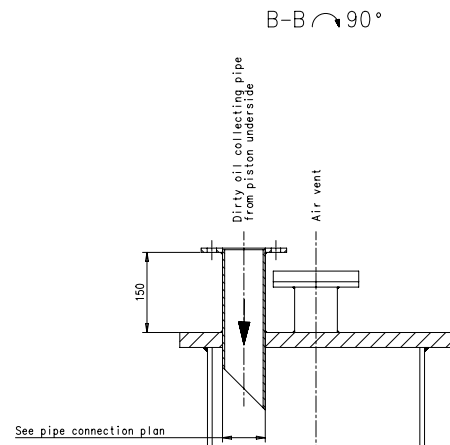
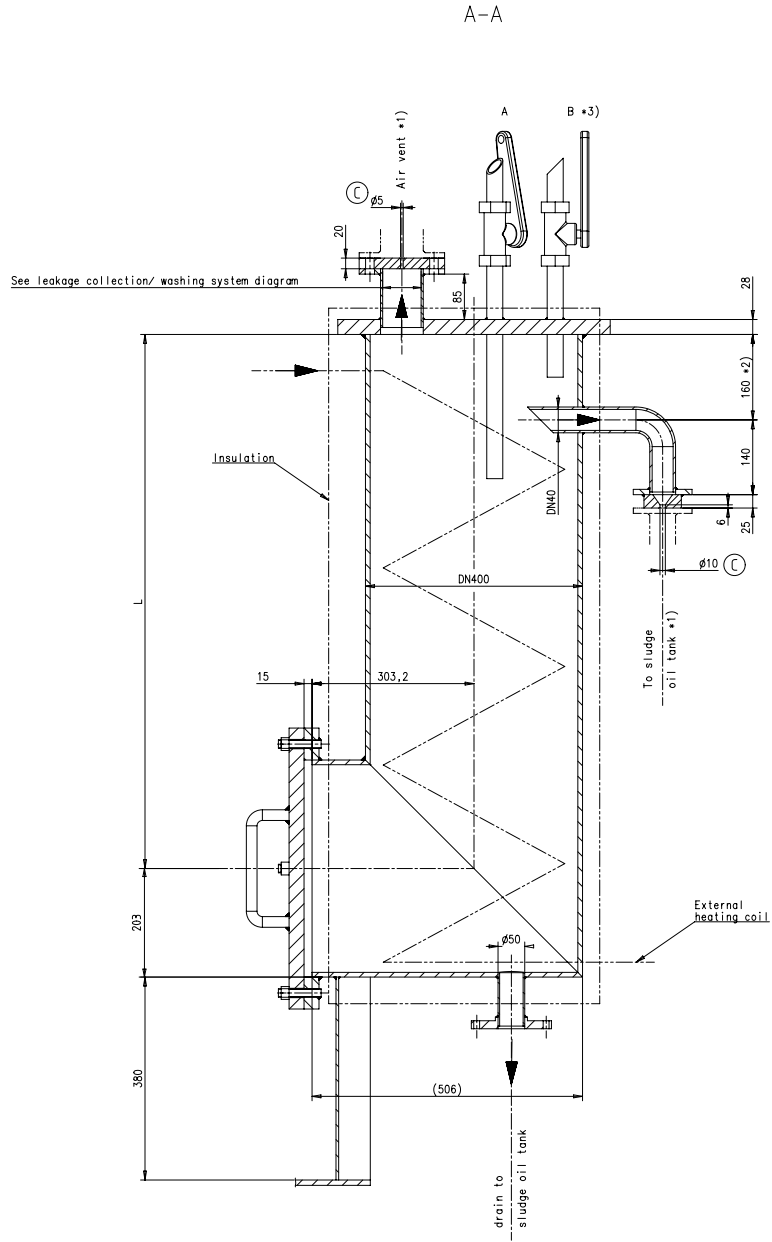
Pos.	ENGINE COMPONENTS *3) (H)
EC01	Scavenge air cooler washing plant
EC02	Turbocharger compressor wheel washing plant *5)
EC03	Turbocharger turbin washing plant *5)
EC04	Dry cleaning device *5)
EC05	Throttling disc
EC06	Venting Unit
EC07	Condensate drain unit

Remarks (H)

- 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 scavenge 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) One unit per turbocharger.
- *6) In relation to turbocharger type, see table on the left side.
- *8) Free flow venting outside of engine room.
- *9) Installed as required (check with the Pipe Connection Plan).
- *11) Only needed for supply unit on exhaust side.
- *12) Drain connection 11 and 19 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.

- Compressed air pipes
- - - Air vent pipes
- Water drain pipes
- - - Washing water pipes
- - - Dirty oil drain pipes
- Pipes on engine
- Pipe connections

		Product: RT-flex58T-D RT-flex58T-E		LEAKAGE COLLECTION/WASHING SYS. SYSTEM DIAGRAM LEAKAGE COLLECTION/WASHING SYS.	
Units	mm kg	NX	Basic Material	Scale	Page 2/2
SURFACE PROTECTION SEE GROUP 0344 TOLERANCING PRINCIPLE ISO8015 GENERAL TOLERANCES ACCORDING TO ISO2768-mK		Made 20.06.2002 S. STYLIANOU Design Group 9724		Net Weight 0,001 Material ID 107.328.354.500 Rev. H	



Mod.	EAAD08405122.01.2013	Number	EAAD08784914.07.2017	Number	EAAD08943912.07.2018	Q-Code	XXXXX	Main Drw.
Number	Drawn date	Number	Drawn date	Number	Drawn date	Standard	ISO, JIS	
Product: W-25						SLUDGE OIL TRAP		
Units	mm kg	NX	Basic Material	Scale	1:5	Size	A1	Page
Material				Page	1/1	Material ID	107.425.369.500	
Net Weight	0.001							

SURFACE PROTECTION SEE GROUP 0344		Made 31.08.2009 J.BAUMANN		Scale 1:5		Size A1		Page 1/1		Material ID 107.425.369.500	
TOLERANCING PRINCIPLE ISO8015		Appd 13.11.2009 JBA020 Baumann		Drawing ID 9724		Design Group		Rev. C		Net Weight 0.001	
GENERAL TOLERANCES ACCORDING TO ISO2768-mK											

MIDS - WinGD RT-flex58T/-D/-E – Leakage Collection and Washing System

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2017-08-21	DRAWING SET	First web upload
2018-10-04	107.425.369	Sludge oil trap drg - new revision
2019-09-18	107.330.587 107.328.354	Main and system drg.- new revision

DISCLAIMER

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