

	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F

Net Weight

0,001

1

001

PAAD060489

LEAKAGE COLLECTION/WASHING SYS.

DAAD020518

0,001

Quantity PER ENGINE

SEQ NO

Material ID

Material Name

Dimension, Occ

Standard or Drawing

Basic Material Material Standard

Weight GR./NET

PAAD060490

Free space for lic.

Q-Code

XXXXX

Standard

ISO; JIS

Main Drw.

H

Modif.

A

EAAD090104

10.12.2018

Material ID

Number

Drawn date

Number

Drawn date

Number

Drawn date

Number

Drawn date

WIN GD

Winterthur Gas & Diesel

Product

W5-8X40-B

LEAKAGE COLLECTION/WASHING SYS.

LEAKAGE COLLECTION/WASHING SYS.

Units

mm kg

NX

Basic Material

Net Weight

SURFACE PROTECTION SEE GROUP 0344

Made

15.09.2011

Imux02 L.Müller

Scale

-

Size

A3

Page

1/1

Material ID

TOLERANCING PRINCIPLE ISO8015

Chkd

04.10.2011

wwr001 Wroblewski

Design Group

Drawing ID

DAAD020519

Rev.

A

GENERAL TOLERANCES ACCORDING TO ISO2768-mK

Appd

04.10.2011

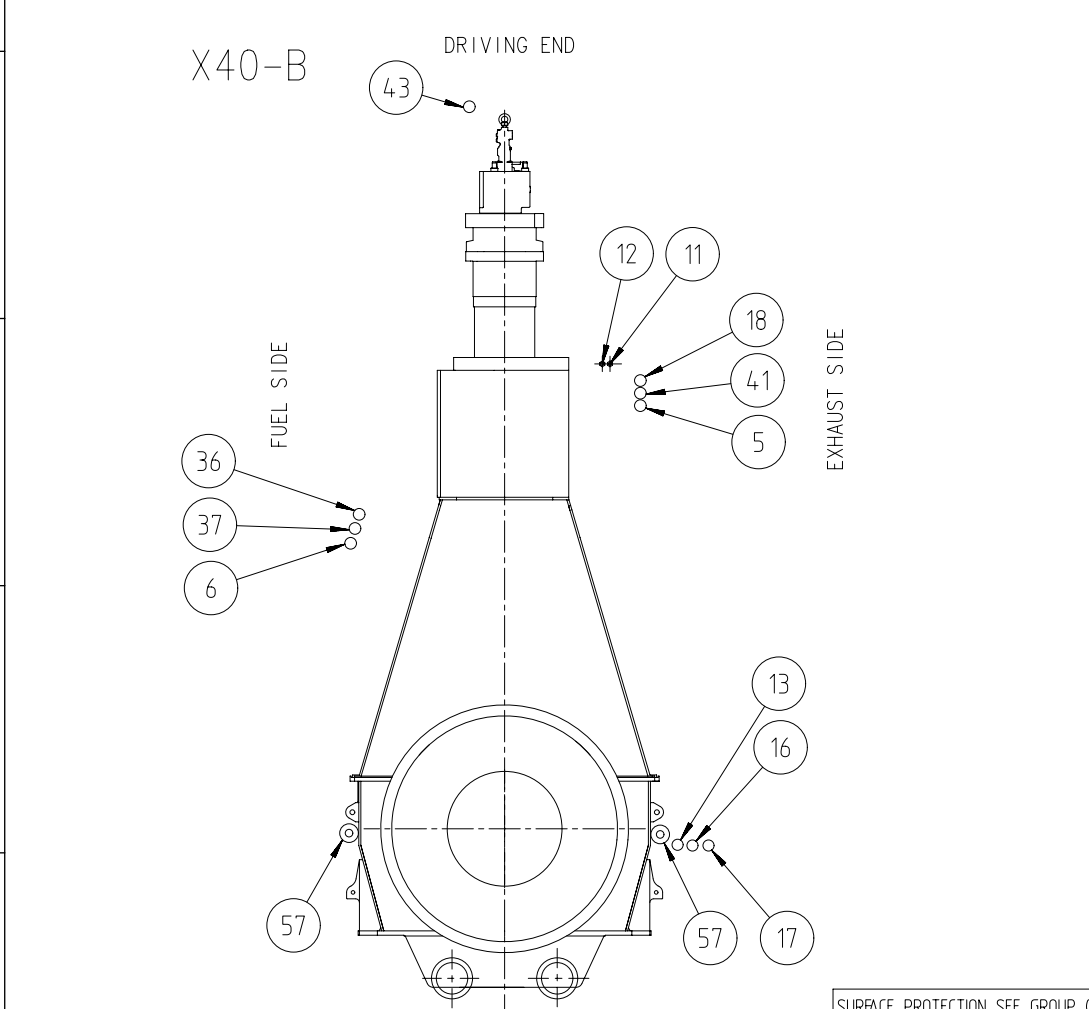
dst009 Strödecke

Approved

UID - DIMENSIONAL DRAWING - Confidential

SPECIFICATION which must be met (B)

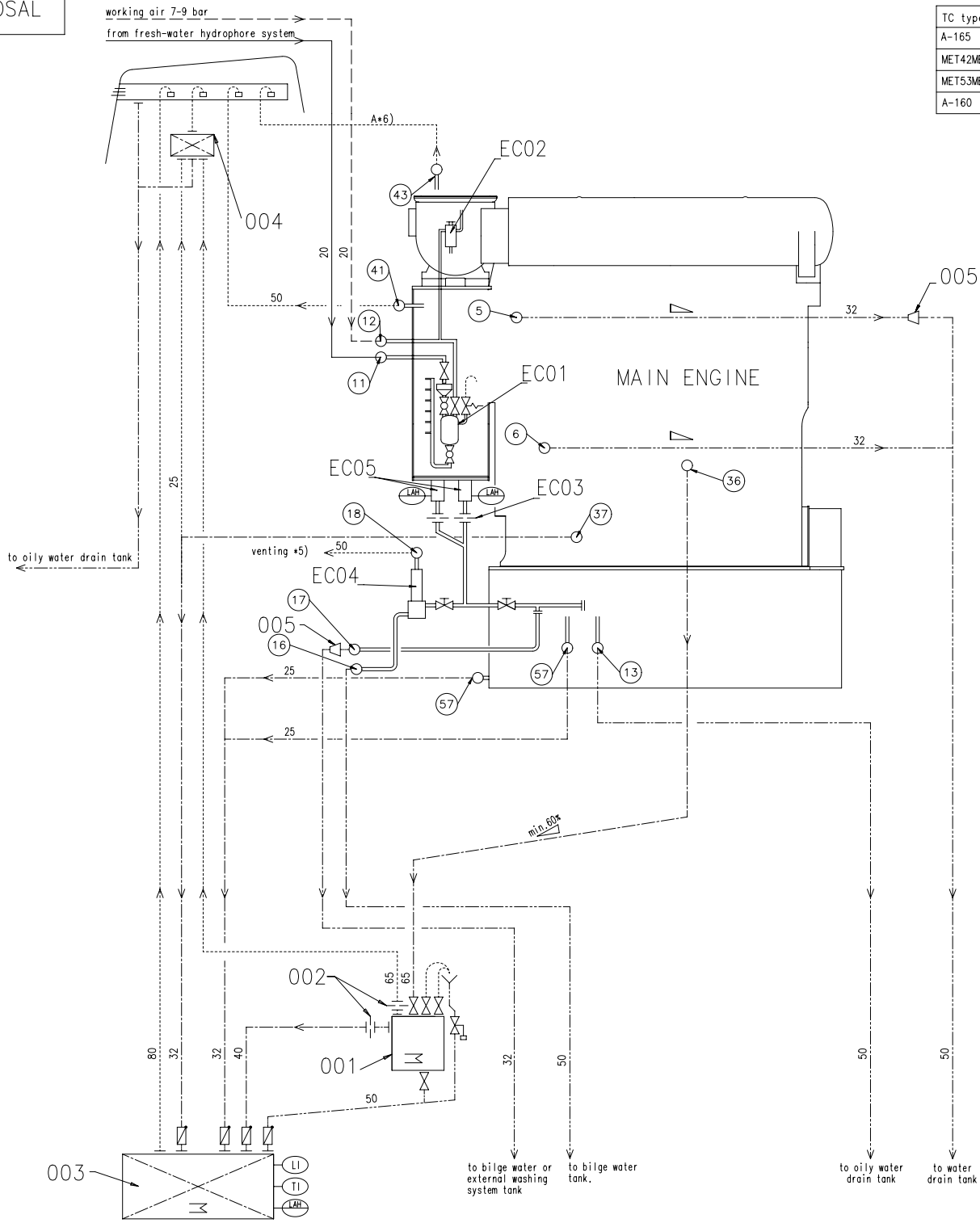
A	(41)	OUTLET - Venting cranck case - Venting to funnel - Must not be connected to other venting pipes.	(5)	OUTLET - Cylinder cooling water drain. - Gravity flow to cooling water drain tank or appropriate tank.	A
	(43)	OUTLET - Venting turbocharger - Venting to funnel - Minimum inclination according to TC suppliers specification - Must be not connected to other venting pipes.	(6)	OUTLET - Cylinder cooling water drain. - Gravity flow to cooling water drain tank or appropriate tank.	
B	(57)	OUTLET - Various leakages - Gravity flow to sludge tank or appropriate tank.	(11)	INLET - Washing water SAC - From fresh water hydrophore system, supply pressure: 2.5 bar	B
			(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.	C
(16)	OUTLET - SAC condensate water - Gravity flow to bilge water tank or appropriate tank.	
(17)	OUTLET - Washing water from scavenge air coller. - Gravity flow to bilge water or chemical cleaning tank.	C
(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: 60 %	D
(37)	OUTLET - Leakage oil gland box - Gravity flow to sludge tank or appropriate tank.	

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
Free space for lic.				Q-Code		Main Drw.	
Modif.				Standard ISO; JIS			
A	EAAD084349	30.01.2013	B	EAAD090104	09.12.2018		
Number	Drawn date	Number	Drawn date	Number	Drawn date	Number	Drawn date
Units mm kg			NX	Basic Material			Net Weight 0,001
SURFACE PROTECTION SEE GROUP 0344			Made 15.09.2011 Imux02 L.Müller	Scale -	Size A3	Page 1/2	Material ID PAAD060489
TOLERANCING PRINCIPLE ISO8015			Chkd 04.10.2011 wwr001 Wroblewski	Design Group 9724	Drawing ID DAAD020518	Rev. B	
GENERAL TOLERANCES ACCORDING TO ISO2768-mK			Appd 04.10.2011 dst009 Strödecke				

SYSTEM PROPOSAL



TC type	A	Inclination
A-165	65	>5°
MET42MB	50	>3°
MET53MB	65	>3°
A-160	65	>5°

Pos.	SYSTEM COMPONENTS *1) (B)
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) *7)

Pos.	ENGINE CONNECTIONS *2) (B)
(5)	OUTLET - Cylinder cooling water drain
(6)	OUTLET - Cylinder cooling water drain
(11)	INLET - Washing water SAC
(12)	INLET - Air for cleaning TC and SAC
(13)	OUTLET - Oily water from scavenge air receiver *8)
(16)	OUTLET - SAC condensate water *4) *8)
(17)	OUTLET - Washing water from scavenge air collar
(18)	OUTLET - SAC venting *5)
(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) (B)
EC01	Scavenge air cooler washing plant
EC02	Dry cleaning device
EC03	Throttling disc
EC04	Venting Unit
EC05	Condensate drain unit

Remarks (B)

- 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.	
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*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) Free flow venting outside of engine room.

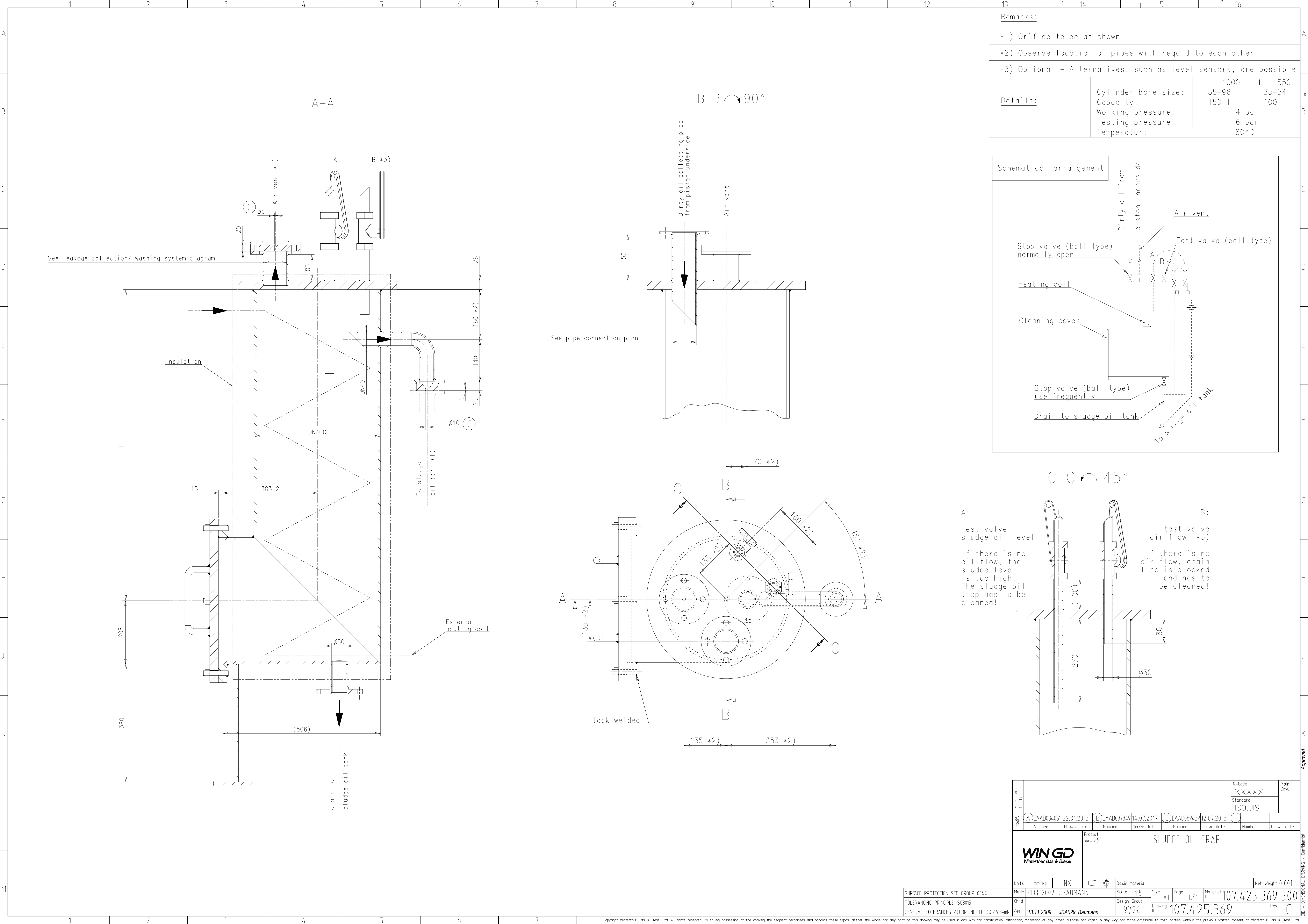
*6) In relation to turbocharger type, see table on the left side

*7) Installed as required (check with the Pipe Connection Plan).

*8) Drain connection 13 and 16 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.

Time issue for use											Q-Code		Main Dw.
											Standard ISO: JIS		
Prod.	A EADD0843930.01.2013				B EADD99004 09.12.2018								
	Number	Number	Drawn date	Number	Number	Drawn date	Number	Number	Drawn date				
<div><div><p>Product 5-8X40-B</p></div><div><p>LEAKAGE COLLECTION/WASHING SYS. SYSTEM DIAGRAM LEAKAGE COLLECTION/WASHING SYS.</p></div></div>													
Units: mm kg NX  Basic Material Net Weight 0,001													
Model	IS.09.2011 Imux02 L Müller				Scale		Size		A1	Page	2/2	Material ID PAAD060489	
Order	04.10.2011 war001 Wroblewski				Design Group		Drawing ID		DAAD020518			Rev. B	
Appd	04.10.2011 ds009 Stródzke				9724								



MIDS - WinGD X40-B – Leakage Collection and Washing System

TRACK CHANGES

DATE	SUBJECT	DESCRIPTION
2017-02-20	DRAWING SET	First web upload
2017-08-18	107.425.369	Sludge oil trap drg - new revision
2018-10-04	107.425.369	Sludge oil trap drg - new revision
2019-09-16	DAAD020519 DAAD020518	Main and system drg. – new revision

DISCLAIMER

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