

Available executions

| Execution No. | Material ID |
|---------------|-------------|
| 001 | PAAD379299 |

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. | X52DF-S1.0 | | | | | | | | | |
| Change History | | | | | | | | | | |
| | | | | | | | | | | |
| | - | sna102 | | | | | new Design | | | |
| | Rev. | Creator | Approver | Approval Date | Change ID | Change Synopsis | | | Activity Code | E |



LEAKAGE COLLECTION/WASHING SYS.
MIDS master drawing

separate BOM available

Dimension

| | | | | | | | | | | |
|--|---|--|----|-----------------|----------------|---------|------------|------------|----------------|-----|
| Scale | - | | NX | Units [mm] [kg] | Basic Material | | | Net Weight | 0.001 | |
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| | | | | Qty per | A4 | Item ID | PTAA025690 | | Drawing Page/s | 1/1 |

| SEQ NO | QTY | Item ID | Item Name | Dimension | Standard-ID | Basic Material | Net Weight |
|--------|-----|------------|---------------------------------|-----------|-------------|----------------|------------|
| 001 | 1 | PAAD379290 | LEAKAGE COLLECTION/WASHING SYS. | | | | 0.001 |

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|----------------|--------------------|---------|----------|---------------|------------|--------------------------------|----------------------------------|
| Prod. | 5,6,7,8 X52DF-S1.0 | | | | | | |
| Change History | | | | | | | |
| | A | sna102 | mhu019 | 22.11.2022 | CNAA002784 | Main Design/Drawing Introduced | 4 3 |
| | - | dki021 | mhu019 | 26.04.2021 | | - | - - |
| | Rev. | Creator | Approver | Approval Date | Change ID | Change Synopsis | Approved Activity Code E C |

| | |
|--|---------------------------------|
|  | LEAKAGE COLLECTION/WASHING SYS. |
|--|---------------------------------|

| | | | |
|--|-------------|-----------|----------------------------------|
| Bill Of Material | | Dimension | |
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| | Main Design | Yes | Design Group 9724 Q-Code XXXXX |
| | Qty per | Engine A4 | Item ID PAAD379299 |
| | | | Net Weight 0.001 |
| | | | Standard WDS |
| | | | 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 |

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|----------------|------------|---------|----------|---------------|-----------------------|-----------------|----------------------------|
| Prod. | X52DF-S1.0 | | | | | | |
| Change History | | | | | | | |
| | A | npa101 | nmh019 | 15.12.2023 | EAAD787404 | Drawing Updated | 4 3 |
| | - | dki021 | mhu019 | 26.04.2021 | EAAD787404 | - | - - |
| | Rev. | Creator | Approver | Approval Date | Change ID | Change Synopsis | Approved Activity Code E C |

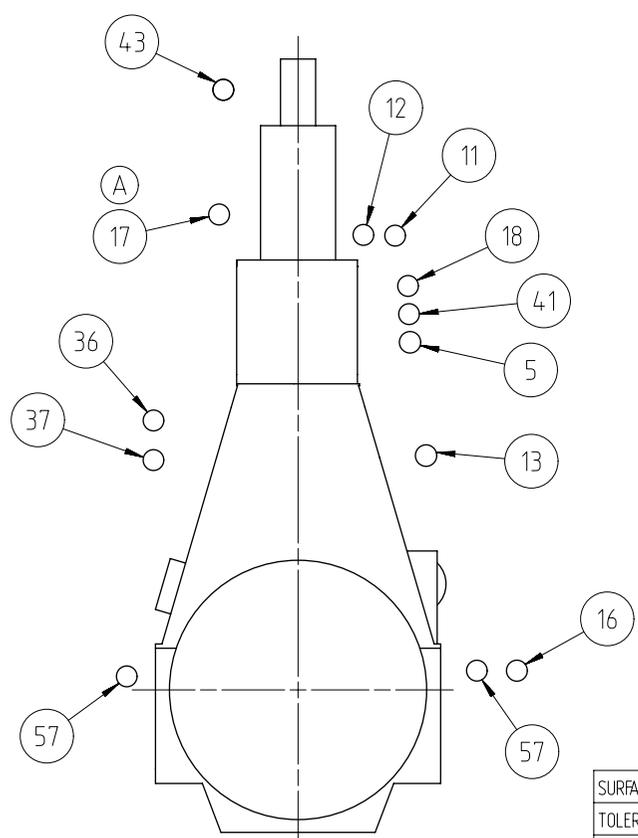
| | |
|--|---|
|  | <h1>LEAKAGE COLLECTION/WASHING SYS. SYSTEM DIAGRAM</h1> |
|--|---|

| | | | | | | | | |
|--|--|--------------|----------|-------------------|--------|-------|------------|-------|
| Bill Of Material | | | | Dimension | | | | |
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| Main Design | | Design Group | | 9724 | Q-Code | X X M | Standard | WDS |
| Qty per | | A4 | Item ID | PAAD379290 | | | BOM Page/s | 01/01 |

SPECIFICATION which must be met:

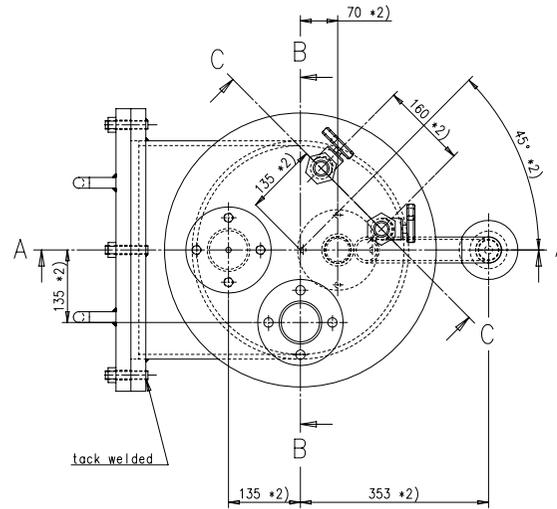
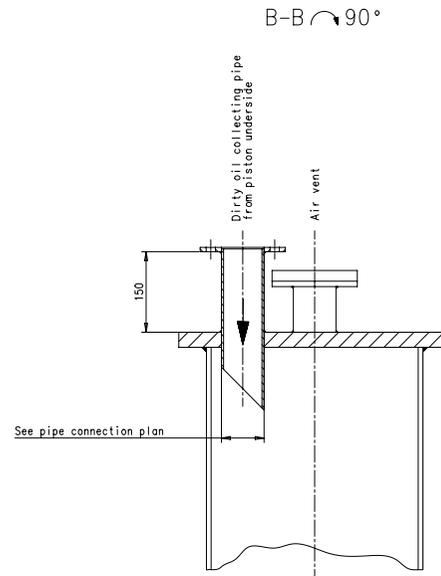
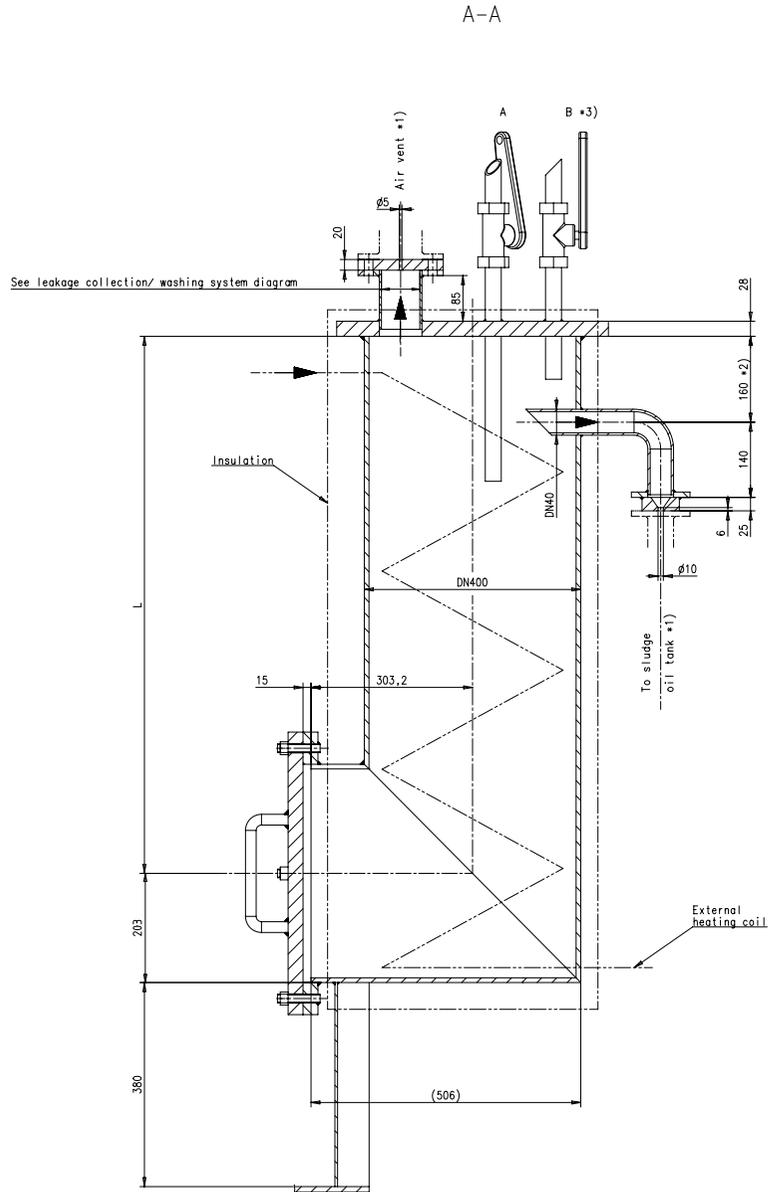
- 36 OUTLET - Dirty oil piston underside
- Flow with SAC pressure to sludge oil trap or appropriate arrangement
- Min. inclination of drain pipe: 15°
- 37 OUTLET - Leakage oil gland box
- Gravity flow to sludge tank or appropriate tank
- 41 OUTLET - Venting crankcase
- Venting to funnel
- Must not be connected to other venting pipes
- 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 - SAC washing water
- Only in use if an optional SAC washing system is installed on the ship side
- Otherwise blinded with a blind flange
- Washing water properties: Fresh water mixed with a chemical washing agent
- Mixing ratio according to chemical washing agent suppliers specification
- Washing water supply pressure: 2.5 bar
- Washing water temperature: 50°C - 60 °C
- Washing water pump circulation rate: 3.8 m3/h
- Washing water circulation tank capacity: 0.4 m3
- 12 INLET - Air for turbocharger cleaning
- 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 appropriate tank
- 17 OUTLET - SAC washing water
- Only in use if an optional SAC washing system is installed on the ship side
- Otherwise blinded with a blind flange
- To chemical washing water circulation tank during SAC cleaning
- 18 OUTLET - SAC venting
- Free flow outside of engine room

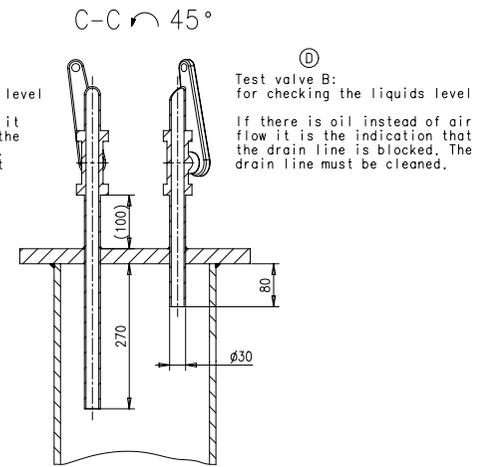


SURFACE PROTECTION SEE GROUP 0344
 TOLERANCING PRINCIPLE ISO8015
 GENERAL TOLERANCES ACCORDING TO ISO2768-mK

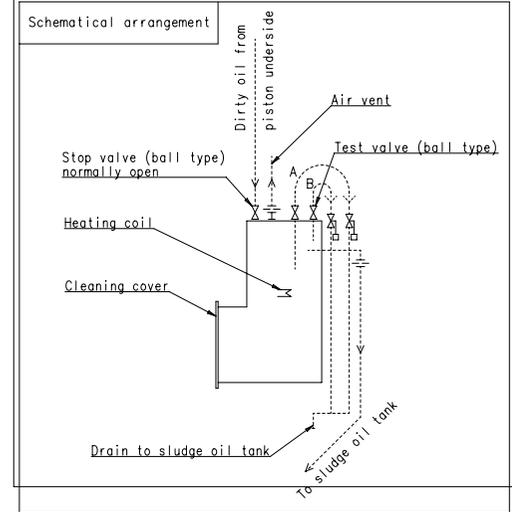
| | | | | | | | | | | | |
|---|------------|----------|---------------|-----------------|-----------------|---|------------|---------------|------------|----------------|-----|
| Prod. | X52DF-S1.0 | | | | | | | | | | |
| Change History | | | | | | | | | | | |
| | A | npa101 | nm09 | 15.12.2023 | 0A0032 | Drawing Updated | | | 4 | 3 | |
| | - | dki021 | mhu019 | 26.04.2021 | EAAD787404 | - | | | - | - | |
| Rev. | Creator | Approver | Approval Date | Change ID | Change Synopsis | Approved | | Activity Code | E | C | |
| WINGD Winterthur Gas & Diesel | | | | | | LEAKAGE COLLECTION/WASHING SYS. SYSTEM DIAGRAM | | | | | |
| separate BOM available | | | | | | Dimension | | | | | |
| Scale | - | | NX | Units [mm] [kg] | Basic Material | | | | Net Weight | 0.001 | |
| Main Design | | | | | Design Group | 9724 | Q-Code | X X M | Standard | WDS | |
| Qty per | | | | | A3 | Item ID | PAAD379290 | | | 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.



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:

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

| | | | | | | | | |
|-------|--------|------------|-----------------|-------------|--|----------|--------------|-------|
| Proj. | CX40DF | R1=rev50-D | R2=rev50-T-D V1 | R1=rev58T-E | R1=rev80-L | R1=rev82 | CR4HMM-PILOT | X33-B |
| D | sde01 | mhu01 | 10.01.2022 | 04A00373 | drawing updated | | | 4 |
| C | sde01 | mhu019 | 10.09.2018 | EAAD089439 | Legacy information. See corresponding ChangeNotice | | | 4 |
| B | dki021 | mhu019 | 16.07.2017 | EAAD087849 | Legacy information. See corresponding ChangeNotice | | | 4 |
| Rev | WnGD | jba029 | 13.11.2009 | | | | | - |

| | | | |
|---|-------|------------------------|------------------|
| WINGD Winterthur Gas & Diesel | | SLUDGE OIL TRAP | |
| Scale | 1:5 | Units [mm] [kg] | Basic Material |
| Net Weight | 0.001 | Design Group | 9724 |
| Design | A1 | Item ID | 107.4.25.369.500 |

MIDS - Leakage Collection & Washing System (DG9724)

WinGD X52DF-S1.0

TRACK CHANGES

| DATE | SUBJECT | DESCRIPTION |
|------------|-------------|------------------|
| 2021-05-10 | DRAWING SET | First web upload |
| 2023-12-20 | PAAD379290A | New revision |

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