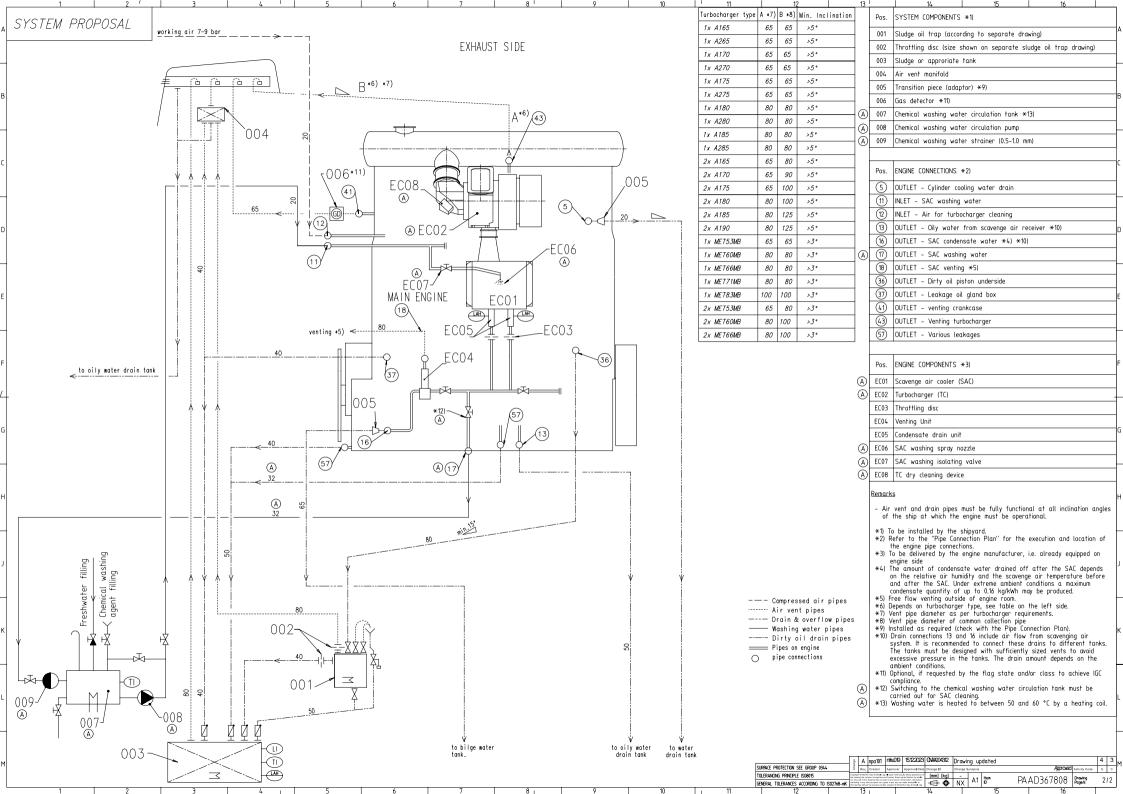
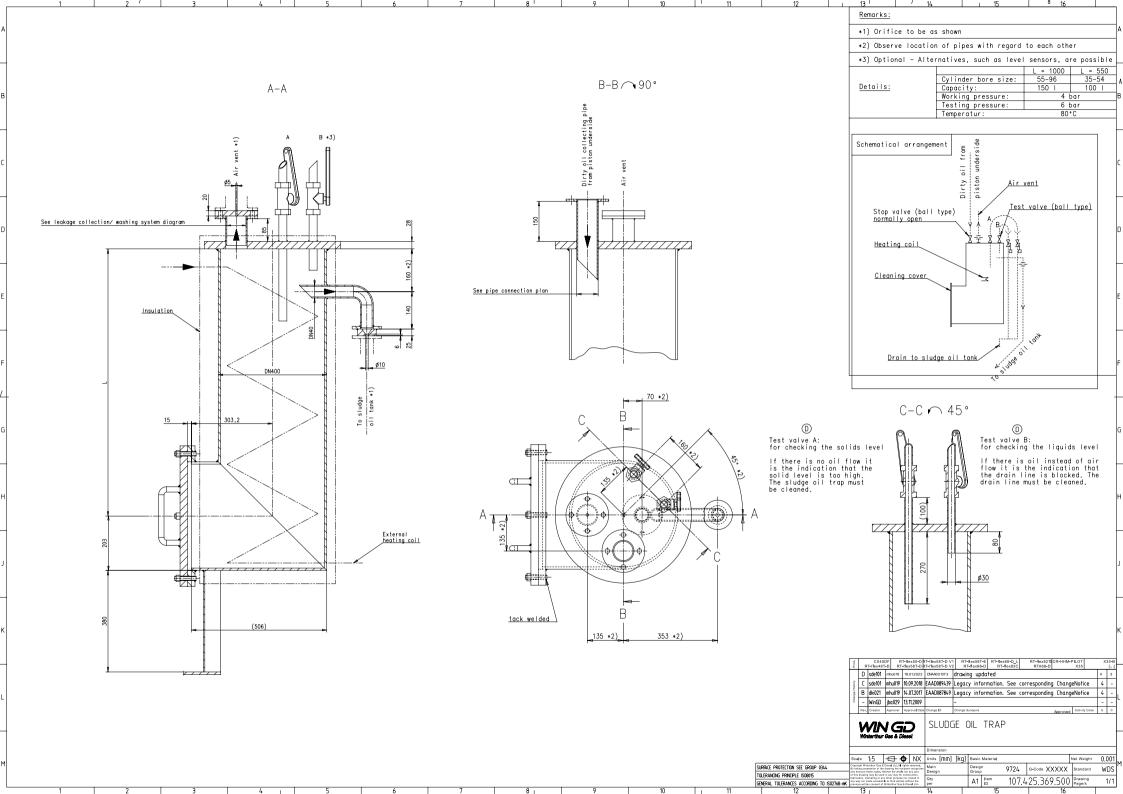
|   | 1   |  | 2  |   |  |   | 3   |   |   | 4  |                                   |     |   |
|---|---|--|--|---|--|---|---|---|---|--|-----------------------------------|-----|---|
|   | Available   | executions   |  |   |  |   |   |   |   |  |                                   |     |   |
| A | Execution<br>No.  | Material<br>ID   |  |   |  |   |   |   |   |  |                                   |     | A |
|   | 001   | PAAD3678   | 10   |   |  |   |   |   |   |  |                                   |     |   |
| B |   |  |  |   |  |   |   |   |   |  |                                   |     | В |
| C | NOTE  |  |  |   |  |   |   |   |   |  |                                   |     | C |
| D | Detailed guidance<br>not shown in the<br>project-specific<br>This publication<br>available at the<br>and copyright c<br>or for discrepa<br>publication. The<br>other loss, or | utions can be con<br>the execution<br>of the execution<br>of above table, the<br>request, WinGD moves<br>is designed to pro-<br>e time of printing,<br>design of the sub-<br>womer of this publisher<br>noties arising from<br>publisher and cop<br>any other damage | ons is provided w<br>en it may still be<br>ust be contacted<br>However, the pub<br>ject-products is s<br>cation cannot acc<br>the features of<br>yright owner shal<br>or injury, suffere | ithin the<br>e under d<br>directly.<br>d authori<br>olication d<br>ubject to<br>ept any r<br>any actur<br>l under n | Marine II<br>evelopme<br>tative ir<br>leals wit<br>regular<br>responsit<br>al item i<br>o circum | nstallation M<br>nt or not av<br>formation wi<br>h complicated<br>improvement<br>vility or liabil<br>n the respec<br>stances be t | th regard to<br>d technical m<br>s, modificatio<br>ity for any<br>thive product<br>held liable fo | further infor<br>the subject<br>atters suited<br>ns and chan<br>eventual err<br>being differ<br>r any finance | mation or ir<br>-matter cov<br>d only for s<br>ges. Consequ<br>ors or omiss<br>ent from the<br>ial conseque | r case of a<br>ered as it was<br>pecialists in th<br>jently, the publ<br>sions in this da<br>ose shown in t<br>ntial damages | e<br>isher<br>cument<br>his<br>or | ł   | D |
|   | و X72DI<br>د X72DF-1.   |  | 2  |   |  |   |   |   |   |  | 1 1                               |     |   |
| F | Change History  |  |  |   |  |   |   |   |   |  |                                   |     | E |
| - | ਤ <mark>ੇ</mark> – sde101   |  |  | new [   | Design   |   |   |   |   |  |                                   |     | - |
|   | Rev. Creator A  | Approver Approval Da   | ate Change ID  | Change S  | iynopsis   |   |   |   |   | Activity Code  | E                                 | С   |   |
|   | Winterthur G<br>separate BC   | as & Diesel  | LEAK,<br>MIDS mc   |   |  |   | -10N/V  | VASHII  | NG S  | YS.  |                                   |     |   |
| F | Scale   |  |  | [kg]  | Basic  | Material  |   |   |   | Net Weight   | 0.0                               | )01 | F |
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|   | <b>1</b>  |  | 2  |   | L I  |   | 3   |   |   | 4  |                                   |     |   |

| SEQ<br>NO        | QTY       | Item ID                      |                                    | Item Name  |                    |            |           | Dimension       | Standard-ID | Basic Material |               | ١  | Net<br>Veight |
|------------------|-----------|------------------------------|------------------------------------|--|--------------------|------------|-----------|-----------------|-------------|----------------|---------------|----|---------------|
| 001              | 1         | PAAD3                        | 67808                              | LEAKAGE CO   | LLECTION/WASHI     | NG SYS.    |           |                 |             |                |               |    | 0.001         |
|                  |           |                              |                                    |  |                    |            |           |                 |             |                |               |    |               |
| Prod.            |           |                              | ,6,7,8 X72DF<br>,6,7,8 X72DF       |  | 3,0                | X72DF-1.2  |           |                 |             |                |               |    |               |
|                  |           |                              |                                    |  |                    |            |           |                 |             |                |               |    |               |
| Change History   | A         | sde101                       | mhu019                             | 23.11.2022   | CNAA002695         | Main Do    | sian/Dr   | awing Introduce | 4           |                |               | -  | -             |
| Change           |           | sde101                       |                                    | 26.04.2021   |                    |            | SIGN/DI   |                 | u           |                |               | -  |               |
|                  |           | Creator                      |                                    | Approval Date  | Change ID          | Change Syr | nopsis    |                 |             | Approved       | Activity Code | E  | С             |
|                  | V         | <b>VII</b><br>nterthu        | <b>V C</b><br>r Gas &              | <b>ID</b><br>Diesel  | LEAK               |            |           | OLLEC           | CTION/W     |                |               |    | •             |
| Copyr            | ight Wir  | terthur Gas                  | Of Materia<br>& Diesel Ltd         | All rights reserved.   | Dimension<br>Units | [m] [kg]   | Basic Mat | erial           |             |                | Net Weight    |    | 0             |
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| constr<br>copied | uction, f | abrication, n<br>way nor mad | narketing or an<br>e accessible to | ed in any way for<br>y other purpose nor<br>third parties without<br>r Gas & Diesel Ltd. | Qty<br>per         | Engine     | A4        | ltem<br>ID      | PAAD3       | 67810          | BOM<br>Page/s | 0′ | 1/01          |

| SEQ<br>NO      | QTY   | / Item ID    |                                | Item Name                               |                    |             |           | Dimension  | Standard-ID | Basic Material |               | ,  | Net<br>Neight |
|----------------|---|--------------|--------------------------------|---|--------------------|-------------|-----------|------------|-------------|----------------|---------------|----|---------------|
| 001            | 1   | 107.42       | 5.369.500                      | SLUDGE OIL                              | TRAP               |             |           |            |             |                |               |    | 0.001         |
|                |   |              |                                |   |                    |             |           |            |             |                |               |    |               |
| Prod.          |   | X72DF        | 2DF<br>-1.1                    | X72DF-1.2                               |                    |             |           |            |             |                |               |    |               |
|                |   |              |                                |   |                    |             |           |            |             |                |               |    |               |
| Change History | A   | npa101       | ntr.019                        | 15122023                                | 0,44004312         | Drawing     | g update  | d          |             |                |               | 4  | 3             |
| Cha            | -   | sde101       | mhu019                         | 26.04.2021                              | EAAD787403         | -           |           |            |             |                |               | -  | -             |
|                | Rev.  | Creator      | Approver                       | Approval Date                           | Change ID          | Change Sy   | ynopsis   |            |             | Approved       | Activity Code | Е  | С             |
|                |   | nterthu      | r Gas &                        |   | SYSTEM             |             |           | OLLEC      | TION/W      | ASHIN          | IG SY         | ′S | •             |
| Сору           | ight Wi   | nterthur Gas | of Materia<br>& Diesel Ltd     | . All rights reserved.                  | Dimension<br>Units | [m] [kg]    | Basic Mat | erial      |             |                | Net Weight    | 0  | .001          |
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| 1 2 3   | 4                                    |  | 5  |  | 6  |                  | 7   |          |           | 8                      |           | _    |  |  |  |  |  |
|---|--------------------------------------|--|--|--|--|------------------|---|----------|-----------|------------------------|-----------|------|--|--|--|--|--|
| SPECIFICATION which must be   | met                                  |  |  |  |  |                  |   |          |           |                        |           |      |  |  |  |  |  |
| OUTLET - Dirty oil piston underside<br>- Flow with SAC pressure to sludge oil trap or ap<br>- Min. inclination of drain pipe: 15° | propriate arrangement                |  |  |  | cooling water<br>cooling water                                   |                  | к ог арр  | propriat | te tank   |                        |           | Δ    |  |  |  |  |  |
| 37) OUTLET - Leakage oil gland box<br>- Gravity flow to sludge tank or appropriate tank   |                                      |  | Otherwise  | se if ar<br>blindec                                  | n optional SA<br>1 with a blind                                  | flange _         |   |          |           |                        |           |      |  |  |  |  |  |
| 41 OUTLET - Venting crankcase<br>- Venting to funnel<br>- Must not be connected to other venting pipes                            | 41/ – Venting to funnel              |  |  |  |  |                  | <ul> <li>Washing water properties: Fresh water mixed with a chemical washing agent<br/>Mixing ratio according to chemical washing agent suppliers specification</li> <li>Washing water supply pressure: 3 bar</li> <li>Washing water temperature: 50°C - 60 °C</li> </ul> |          |           |                        |           |      |  |  |  |  |  |
| (43) OUTLET - Venting turbocharger<br>- Venting to funnel<br>- Minimum inclination according to TC suppliers spec                 | ification                            | -  | Washing v  | water c  | ump circulation<br>irculation tan<br>rbocharger cl               | k capacity:      |   | }        |           |                        |           |      |  |  |  |  |  |
| - Must not be connected to other venting pipes  |                                      | (12) -   | Working a  | ir, supp   | bly pressure:  | 7-9 bar          |   |          |           |                        |           |      |  |  |  |  |  |
| 57 OUTLET - Various leakages<br>- Gravity flow to sludge tank or appropriate tank   |                                      |  |  |  | er from scav<br>oily water ta                                    |                  |   | tank     |           |                        |           |      |  |  |  |  |  |
|   |                                      |  |  |  | densate wate<br>bilge water t                                    |                  | propriate   | tank     |           |                        |           |      |  |  |  |  |  |
| A<br>(17)<br>(12)   |                                      |  | Only in u:<br>Otherwise  | se if ai<br>blindec                                  | shing water<br>n optional SA<br>1 with a bling<br>ning water cir | d flange         |   |          |           |                        | o sid     | e    |  |  |  |  |  |
|   | 1) 18                                |  | UTLET - S<br>Free flow   | SAC ven<br>outside                                   | ting<br>e of engine r  | 00M              |   |          |           |                        |           | D    |  |  |  |  |  |
|   | 41                                   | -  | X72DF  | X72DF-1.2  |  |                  |   |          |           |                        |           |      |  |  |  |  |  |
|   | 5)                                   | Pro  | X72DF-1.1  |  |  |                  |   |          |           |                        |           | _    |  |  |  |  |  |
|   |                                      | e History  | ng 101 nth 019   | 15122023   | <b>CNA004312</b> Draw  | vipa updated     |   |          |           |                        | 4         | 3 F  |  |  |  |  |  |
|   |                                      | j ja j   |  |  | EAAD787403 -   |                  |   |          |           | T                      | -         | -    |  |  |  |  |  |
|   | (13)                                 | Rev.   | Creator Approver   | Approval Date  |  | Synopsis         |   |          | ••        | Activity Code          | E         | С    |  |  |  |  |  |
|   | (16)                                 | Wint   | <b>ANG</b><br>terthur Gas & D  | <b>D</b><br>Diesel                                   | LEAKAGE<br>system diag   |                  | CHON/   | WASF     | HING S`   | ΥS.                    |           |      |  |  |  |  |  |
|   | 17                                   |  | ate BOM av   | 1  |  |                  |   |          |           | NI-4 \47 * * *         |           | 0.1  |  |  |  |  |  |
|   | SURFACE PROTECTION SEE GROUP 0344    | By taking posse  | orthur Gas & Diesel Ltd. All<br>ession of the drawing the re   | cipient recognizes                                   | Units [MM] [Kg<br>Main   | Basic Material   | 9724  | Q-Code   | <br>X _ M | Net Weight<br>Standard | 0.0<br>WE | 01 F |  |  |  |  |  |
|   | TOLERANCING PRINCIPLE ISO8015        | and honours the<br>of this drawing<br>fabrication, man | ese rights. Neither the whol<br>may be used in any way for<br>keting or any other purpose<br>de accessible to third partio | e nor any part<br>r construction,<br>e nor copied in | Design<br>Qty  | Group<br>A3 Item |   |          | 67808     | Drawing                | 1/        |      |  |  |  |  |  |
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## MIDS - LEAKAGE-COLLECTION and WASHING-SYSTEM (DG9724) WinGD-X72DF/1.1/1.2

## TRACK CHANGES

| DATE       | SUBJECT     | DESCRIPTION      |
|------------|-------------|------------------|
| 2021-05-04 | DRAWING SET | First web upload |
| 2023-12-20 | PAAD367808A | New revision     |

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Winterthur Gas & Diesel Ltd. Winterthur Gas & Diesel AG. Winterthur Gas & Diesel S.A. Schützenstrasse 3 PO Box 414, CH-8401 Winterthur, Switzerland Tel. +41 (0)52 264 8844 Fax +41 (0)52 264 8866