## REFERENCES

| | |
|---|---|
| STERNFRAME & RUDDER CASTINGS | 72-9 |
| STERN UNIT 704 | 72-24 |
| STERN UNIT 705 | 72-25 |
| UPPER DECKS & HDS UNDER | 72-31 |
| RUDDER | 72-61 |
| STEERING GEAR HYDRAULICS | 72-237 |
| STEERING GEAR ARRGMT | WAGNER D-4-677 |
| RUDDER CARRIER, RADIAL BEARING & PACKING GLAND | WAGNER D-1509 |
| PUMPSET MODEL TA-100 | WAGNER C-2479 |
| PUMPSET MODEL TA 15 | WAGNER C-2513 |

## GENERAL NOTES

HYDRAULIC CYLINDER MOUNTING PADS SUPPORT DETAILS

SECTION F-F

ALL WELDING 7/16" D.C.F.W. AND AS MARKED

SECTION E-E LOOKING AFT

VIEW G-G

SEAT FOR HYDRAULIC RESERVE OIL TANK

PLAN VIEW

ELEVATION

PLAN VIEW AT MAIN DECK

VIEW A-A

VIEW B-B

VIEW C-C

VIEW D-D

VIEW D1-D1

VIEW 'X-X'

TYPICAL ELEVATION VIEW H H

ELEVATION AT ℄ OF SHIP

ALL PUMPSET SEATS 3/16" D.C.F.W.

MATERIAL ÷ 6"x4"x3/8" OA (EXCEPT WHERE SHOWN)

PLAN VIEW OF TOP

PLAN VIEW OF BOTTOM

O/B SIDE PLATE

I/B SIDE PLATE

SECTION LOOKING AFT AT TANK FWD. END

SECTION LOOKING AFT AT TANK AFT END

CONNECTIONS: 1 - 2" VENT; 2 - 2" FILLING; 3 - 2½" DISCHARGE; 4 - 1" DRAIN

ALL WELDING TO BE 3/16" D.C.F.W.

DETAIL OF WEB

MATERIAL ÷ 6 m/m PLT B7500-2500-GF (3100 LONG REQ'D)

DETAIL OF HYDRAULIC RESERVE OIL TANK

RUDDER STEADY BEARING DIMENSIONS:

| | |
|---|---|
| TOP: FWD & AFT. | 445·059 |
| TOP: PORT & STBD | 445·059 |
| BOTTOM: FWD & AFT. | 445·084 |
| BOTTOM: PORT & STBD | 445·110 |

DIAM. OF BORE

DIAM. OF SHAFT: 409·905 (USE 409·981 FOR CALCULATIONS)

LENGTH OF BORE: 461·963

BEARING CLEARANCE 0·457

RADIAL CARRIER BEARING 400·355 DIAM.

THORDON SXL RUDDER STOCK BEARING DIMENSIONS:

| | |
|---|---|
| OUTSIDE DIAMETER | 449·478 +127 −000 |
| INSIDE DIAMETER | 415·925 +127 −000 |
| LENGTH (TOTAL) | 457·200 |
| CLEARANCE | 1·067 |
| DIAMETER OF BORE | P & S - 410·972, F & A. - 411·099 |

TOP GUDGEON PINTLE DIAM. - 224·892

CENTRE GUDGEON PINTLE DIAM. - 225·019

BOTTOM GUDGEON PINTLE DIAM. - 225·095

| GUDGEON | OUT. DIA | INS. DIA | LENGTH | DRY | WET |
|---|---|---|---|---|---|
| TOP | 278·587 / 278·714 | 227·279 / 227·406 | 282·575 | 0·5588 | 0·2794 |
| CENTRE | 279·248 / 279·375 | 227·432 / 227·559 | 285·750 | 0·5842 | 0·2794 |
| BOTTOM | 278·003 / 278·130 | 227·686 / 227·813 | 320·675 | 0·5842 | 0·2794 |

READINGS OF THORDON BUSHING

TOP-F&A. 277·266 / BOT-F&A. 277·279 — TOP-P&S. 277·317 / BOT-P&S. 277·317 — 285·750 — TOP GUDGEON BORE

TOP-F&A. 277·977 / BOT. F&A. 277·965 — TOP-P&S. 277·927 / BOT. P&S. 277·901 — 288·925 — CENTRE GUDGEON BORE

TOP-FWD & AFT. 276·606 / BOTTOM-F&A. 276·733 — TOP-PORT & STBD. 276·504 / BOTTOM-P&S. 276·733 — 326·073 — BOTTOM GUDGEON BORE

READINGS OF CENTRE OF BORE FROM CENTRE OF WIRE

| | | | |
|---|---|---|---|
| SPIGOT FOR CARRIER BEARING | PORT-0 | STARBD-0 | |
| | FWD-0 | AFT. -0 | |
| STEADY BEARING | PORT-0 | STARBD-0 | |
| | FWD-0 | AFT. -0 | |
| TOP GUDGEON | PORT-0·102 | STARBD-0·000 | |
| | FWD-0·076 | AFT. -0·051 | |
| CENTRE GUDGEON | PORT-0·178 | STARBD-0·000 | |
| | FWD-0·127 | AFT. -0·076 | |
| BOTTOM GUDGEON | PORT-0·000 | STARBD-0·178 | |
| | FWD-0·076 | AFT. -0·051 | |

READINGS OF WIRE FROM ℄ OF SHIP

| | | | |
|---|---|---|---|
| SPIGOT FOR CARRIER BEARING | PORT-0 | STARBD-0 | |
| | FWD-0 | AFT. -0 | |
| STEADY BEARING | PORT-0 | STARBD-0 | |
| | FWD-0 | AFT. -0 | |
| TOP GUDGEON | PORT-139·633 | STARBD-138·532 | |
| | FWD.-138·608 | AFT. -138·582 | |
| CENTRE GUDGEON | PORT-139·040 | STARBD-138·862 | |
| | FWD.-138·989 | AFT. -138·939 | |
| BOTTOM GUDGEON | PORT-138·176 | STARBD-138·354 | |
| | FWD.-138·252 | AFT. -138·227 | |

C.C.G.S. "ANN HARVEY"
APRIL 1987
AS FITTED

| no. | REVISION | by | date |
|---|---|---|---|
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Halifax-Dartmouth Industries Limited #3

Canadian Coast Guard / Garde côtière canadienne

PROJECT TYPE 1100 NAVAIDS VESSEL

TITLE STEERING GEAR ARRANGEMENT

| APPR. | SENT | APPR. | SENT | APPR. |
|---|---|---|---|---|
| OWNER | 7-12-84 | 2-1-85 | | |
| LLOYDS | 7-12-84 | 18-1-85 | | |
| A.B.S. | | | | |
| S.S.B. | | | | |

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Account no.
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