

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving Public Works and Government
Services Canada/Réception des soumissions Travaux
publics et Services gouvernementaux Canada
1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
B3J 1T3
Bid Fax: (902) 496-5016

SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise
indicated, all other terms and conditions of the Solicitation
remain the same.

Ce document est par la présente révisé; sauf indication contraire,
les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Acquisitions
1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
B3J 3C9

| | |
|---|---|
| Title - Sujet CCGS SIGMA REFIT | |
| Solicitation No. - N° de l'invitation F5561-135236/A | Amendment No. - N° modif. 001 |
| Client Reference No. - N° de référence du client F5561-13-5236 | Date 2013-07-29 |
| GETS Reference No. - N° de référence de SEAG PW-\$HAL-403-9035 | |
| File No. - N° de dossier HAL-3-71080 (403) | CCC No./N° CCC - FMS No./N° VME |
| Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-08-06 | Time Zone Fuseau horaire Atlantic Daylight Saving Time ADT |
| F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/> | |
| Address Enquiries to: - Adresser toutes questions à: Brow, Theresa | Buyer Id - Id de l'acheteur hal403 |
| Telephone No. - N° de téléphone (902) 496-5166 () | FAX No. - N° de FAX (902) 496-5016 |
| Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: | |

Instructions: See Herein

Instructions: Voir aux présentes

| | |
|--|--|
| Delivery Required - Livraison exigée | Delivery Offered - Livraison proposée |
| Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur | |
| Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur | |
| Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie) | |
| Signature | Date |

Solicitation No. - N° de l'invitation

F5561-135236/A

Client Ref. No. - N° de réf. du client

F5561-13-5236

Amd. No. - N° de la modif.

001

File No. - N° du dossier

HAL-3-71080

Buyer ID - Id de l'acheteur

hal403

CCC No./N° CCC - FMS No/ N° VME

PRICING DATA SHEET

| Item | Description | Labour | Material | Total |
|-------|--|--------|----------|-------|
| HD-01 | Services Electrical Power per Kwh \$_____ Gangways per day \$_____ Garbage Removal per day \$_____ Shelter/Enclosure per day \$_____ Sea Trail per hour \$_____ | \$ | \$ | \$ |
| HD-02 | Docking/Undocking | \$ | \$ | \$ |
| HD-03 | Painting Price per m² \$_____ | \$ | \$ | \$ |
| ED-01 | Hydraulic Steering | \$ | \$ | \$ |
| ED-02 | Hydraulic Controls | \$ | \$ | \$ |
| ED-03 | A-Frame Cleats | \$ | \$ | \$ |
| ED-04 | Aft Wheelhouse Window | \$ | \$ | \$ |
| ED-05 | Anodes | \$ | \$ | \$ |
| ED-06 | Fuel System Manifold. | \$ | \$ | \$ |
| ED-07 | Sewage Y Valve | \$ | \$ | \$ |
| | Total Known Work Price | | | \$ |

HD-03 PAINTING

Hull Above Water Line Item

Section 5 – Gelcoat is being change to AwlGrip

From Gelcoat (Red) to AWLGrip (Red)

From Gelcoat (White) to AWLGrip (White)

From Gelcoat (Black) to AWLGrip (Black)

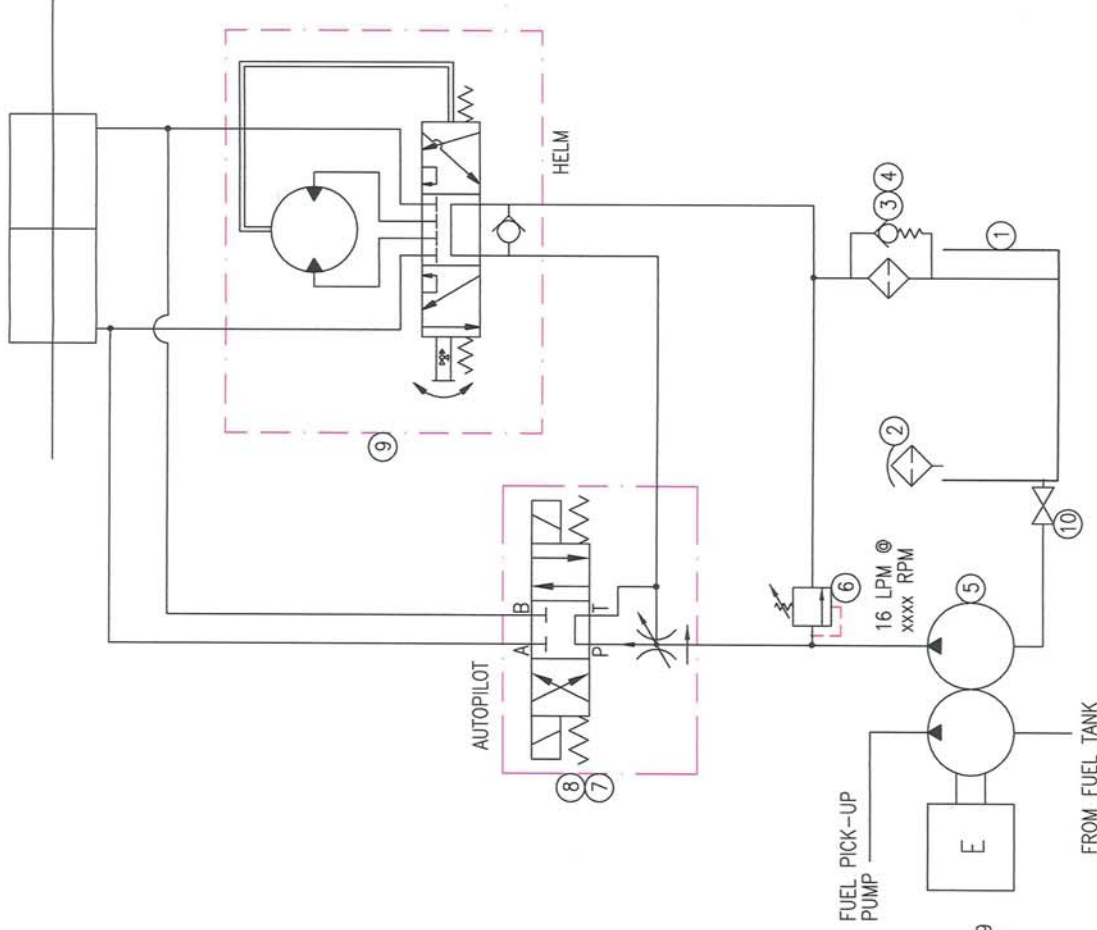
We are forwarding a copy of the Hydraulic Schematics for your information.

2

3

4

STEERING CYLINDER



ISSUE / REVISIONS

| ZONE | REV | DESCRIPTION | DATE | BY | APPR |
|------|-----|------------------------|------|----|------|
| --- | 0 | SUBMITTED FOR APPROVAL | X | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

NOTES:

1] THIS DRAWING HAS BEEN PREPARED FROM A VISUAL EXAMINATION OF THE INSTALLATION, AND REPRESENTS THE BEST AVAILABLE DATA THAT COULD BE OBTAINED. TRC MAKES NO REPRESENTATIONS AS TO THE OPERATION OR EFFECTIVENESS OF THE SYSTEM OR COMPONENTS USED.

2] SOME COMPONENTS COULD NOT BE IDENTIFIED IN SITU AND MUST BE REMOVED AND EXAMINED TO CONCLUSIVELY DETERMINE THE MAKE, MODEL NUMBER, AND FUNCTION

3] ITEM #5 COMPLETE MODEL CODE
8694974505 [016217] 12.04 204534502

| # | QTY | DESCRIPTION | PART/MOD NUMBER | MAKE |
|----|-----|-----------------------|-----------------|-----------|
| 10 | 1 | VALVE, BALL | TBD | TBD |
| 9 | 1 | MOTOR, STEERING | 200-0012-002 | EATON |
| 8 | 1 | VALVE, AUTOPILOT | D1VM009CNUWM | PARKER |
| 7 | 1 | AUTOPILOT ASSEMBLY | IC-3204-24 | HYD. SYS. |
| 6 | 1 | VALVE, RELIEF | TBD | OLEOSTAR |
| 5 | 1 | PUMP, HYDRAULIC | 8694974505 | VOLVO |
| 4 | 1 | ELEMENT, FILTER, 10µM | SF8520 | STAUFF |
| 3 | 1 | FILTER, RETURN | SAF-07-25-1 | STAUFF |
| 2 | 1 | FILLER/BREATHER | SMBB-80 | STAUFF |
| 1 | 1 | RESERVOIR | 6 USG / 23L | CUSTOM |

BILL OF MATERIAL

TOLERANCES UNLESS OTHERWISE SPECIFIED

1. DIMENSIONS IN INCHES.
2. 4 DECIMAL PLACES ± .0010
3. 3 DECIMAL PLACES ± .005
4. 2 DECIMAL PLACES ± .01
5. FRACTIONS ± 1/32
6. ANGLES ± .5°
7. ECCENTRICITY .005 MAX
8. REMOVE SHARP EDGES .015 MAX
9. SURFACE ROUGHNESS 125 MICROINCHES MAX
10. INSIDE CORNERS R.010 MAX



TRC hydraulics inc.
7 Mosher Drive
Dartmouth NS B3B 1L8
(902) 488-4605

| DRAWN | JP | TITLE |
|----------------|-------------------|---|
| CHECKED | GS | HYDRAULIC SCHEMATIC DRAWING |
| SHEET SIZE | B | PROJECT SIGMA T |
| SHEETS | 2 OF 2 | CLIENT DEPARTMENT OF FISHERIES AND OCEANS |
| DRAWING NUMBER | I-74517 | DARTMOUTH NOVA SCOTIA CANADA |
| FILE NUMBER | S080240 | REVISION |
| DATE | 12 SEPTEMBER 2008 | DRAWING NUMBER |
| NTS | 12 SEPTEMBER 2008 | 0 |

qs08-ip126-hs-01.02.0

| # | DIMENSION/SIZE/TYPE | MODEL/PART NUMBER | MAKE |
|---|---|----------------------------------|-----------|
| 32 | X | X | X |
| 31 | X | X | X |
| 30 | X | X | X |
| 29 | X | X | X |
| 28 | X | X | X |
| 27 | X | X | X |
| 26 | X | X | X |
| 25 | X | SMBB-80-S-10-0-C-S080-0 | STAUFF |
| 24 | Ø10=75 | SF6721 | STAUFF |
| 23 | X | SSF120-25-1 | STAUFF |
| 22 | X | 2BVL-2020-B | STAUFF |
| 21 | X | 12A240043P0643608 | PACER |
| 20 | X | ALUMINUM | CUSTOM |
| 19 | X | 017T | HIAB |
| 18 | X | 250 FT/LB - 24VDC | OGURA |
| 17 | X | 9235-SF-1280 | PITTS |
| 16 | X | S10 | WALVOIL |
| 15 | X | AL01/M10x200 | WALVOIL |
| 14 | X | CL-2532 | X |
| 13 | X | VODL/SC38/TR.S.P4/SAE | OLEOSTAR |
| 12 | S/N 015.201 | TH2-CC.0.0 | ROTZLER |
| 11 | S/N 015.634 | TH3.CW.0 | ROTZLER |
| 10 | DL58/2/AN[G3]/7S8LF3/6V8LF3.P3[G3]/RF-SAE10 | | WALVOIL |
| 9 | DL58/1/AN[G3]/7Q8LF3.P3[G3]/RF-SAE10 | | WALVOIL |
| 8 | X | CVT-03-A1 | HYSTAR |
| 7 | X | MG-20 | PARKER |
| 6 | X | RP10A-0S2B-K11 | OLEOSTAR |
| 5 | X | FPC-04-NPT | HYSTAR |
| 4 | X | DFE052/3A-18ESW201-24VDC-SAE-CVN | WALVOIL |
| 3 | 2 1/2" LIQUID FILLED STEM MOUNT | SPG63-03000-S | STAUFF |
| 2 | 30 GPM/3/4 NPT PORTS | FRIA-30-H6P | SNAP-TITE |
| 1 | PRES COMP/LOAD SENSE | MA10VS045DFR-31L-PKC62N00 | METARIS |
| CONFIDENTIAL | | | |
| THIS DRAWING IS THE PROPERTY OF TRC HYDRAULICS INC. AND CONTAINS PROPRIETARY INFORMATION. PUBLICATION, REPRODUCTION OR DISTRIBUTION OF THIS DRAWING, IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT IS PROHIBITED. | | | |
| # | DATE | REVISION | |

| # | QTY | DESCRIPTION | I.D. # | SPECIFICATION / DETAIL / COMMENTS |
|----------|-----|----------------------------|-----------------------------------|-----------------------------------|
| 32 | X | | X | X |
| 31 | X | | X | X |
| 30 | X | | X | X |
| 29 | X | | X | X |
| 28 | X | | X | X |
| 27 | X | | X | X |
| 26 | X | | X | X |
| 25 | 1 | FILLER/BREATHER | X | BAYONET STYLE |
| 24 | 1 | ELEMENT, RETURN FILTER | X | 10 µM PAPER |
| 23 | 1 | FILTER, RETURN | X | SPIN-ON |
| 22 | 1 | VALVE, BALL | X | 600 WOG |
| 21 | 1 | PUMP, WATER | X | X |
| 20 | 1 | RESERVOIR, HYDRAULIC OIL | X | 70L, ALUMINUM |
| 19 | 1 | CRANE, KNUCKLE BOOM | X | 017T |
| 18 | 1 | CLUTCH, SOLENOID | X | 250 FT/LB 24 VDC |
| 17 | 1 | DRIVE LINE | X | X |
| 16 | 2 | BRACKET, DIRECTIONAL VALVE | X | X |
| 15 | 3 | HANDLE, DIRECTIONAL VALVE | X | X |
| 14 | 2 | CYLINDER, HYDRAULIC | X | X |
| 13 | 1 | VALVE, COUNTERBALANCE | X | X |
| 12 | 1 | WINCH | X | 4500# MAXIMUM BARE DRUM |
| 11 | 1 | WINCH | X | 7250# MAXIMUM BARE DRUM |
| 10 | 1 | VALVE, DIRECTIONAL | X | 2-SPOOL LOAD SENSING PROPORTIONAL |
| 9 | 1 | VALVE, DIRECTIONAL | X | 1-SPOOL LOAD SENSING PROPORTIONAL |
| 8 | 4 | VALVE, CHECK | X | 3/8" NPT |
| 7 | 1 | MOTOR, HYDRAULIC | X | X |
| 6 | 1 | VALVE, PRESSURE REDUCING | X | X |
| 5 | 2 | VALVE, FLOW CONTROL | X | PRESSURE COMPENSATED |
| 4 | 2 | VALVE, SELECTOR | X | 3/2 - 24 VDC |
| 3 | 1 | GAUGE, PRESSURE | X | 3000 PSI |
| 2 | 1 | VALVE, FLOW CONTROL | X | PRESSURE COMPENSATED |
| 1 | 1 | PUMP, HYDRAULIC | X | 45 CC/REVOLUTION |
| TITLE | | | DRAWING REF | BILL OF MATERIAL |
| PROJECT | | | S080240-SHT 1/HYDRAULIC SCHEMATIC | |
| CLIENT | | | SIGMA T HYDRAULIC SYSTEM | |
| BY | | | DEPARTMENT OF FISHERIES & OCEANS | |
| DATE | | | DARTMOUTH NOVA SCOTIA CANADA | |
| DWG. NO. | | | FILE: qs08-jp151-bm.01.01.0 | REV 0 |
| SHT | | | 080910 | 1/1 |



**DARTMOUTH, NOVA SCOTIA
CANADA
902-468-4605**