



FIELD SURVEY - REPORT FORM

SGS Field Survey Form v2.1 (Feb 2017)

Date: 4/8/2017

Job Number:

Vessel: Aqua Spirit IMO Number:

Work Description: CCTV Inspection

Location: Syros Port

Dive Company Performing the Service:
Technodive Ltd.

Work Documented With: Photos Video N/A

ATTENDEES

Dive Supervisor: Konstantinakis Panagiotis

Divers: Kostas Kastanas

Tenders:

Surveyor: George Methenitis Class: Lloyd's Register

Other Attendees: Ramanathan Murugakumar (superintendent)

SEA STATE / WEATHER / DRAFT

Seas: Calm Fair Rough N/A Current: Nil Moderate Heavy N/A

Weather: Sunny Cloudy Rain Night N/A Visibility: 10 Feet Meters

Draft: Forward 2.8 Amidships 3 Aft 3 Feet Meters

NOTES

Input your local SGS region information on the "SGS OFFICE USE ONLY" page, and save the template with this information included before using in the field.

SGS Field Survey Form:

The **Field Survey Report Form** is required for jobs that include any type of ship inspection (full or partial). It is intended to be filled out electronically, although it can also be used as a printed hard copy.

When used electronically, **This is the final report!**

The form must be filled in as completely as possible, and please **DO NOT TYPE IN ALL CAPS**.

Adobe Acrobat Reader (or Adobe Acrobat Pro) is required for opening and completing the form. Using the latest version of either is highly recommended. Adobe Reader (currently known as Adobe Acrobat Reader DC) is available as a free download from the Adobe website - www.get.adobe.com/reader

Use the "BOOKMARKS" view option to move from section to section easily.

SAVE the document regularly to avoid losing information should a computer malfunction occur.

Notes / Drawings / Measurements:

The form is intended to make gathering basic ship information as efficient as possible **on the job**. When the form options are not sufficient to capture information accurately, always defer to writing notes and/or drawings. **When in doubt, take notes!**

It is critical that detailed notes and drawings are used for any important findings. Any significant damages must include measurements that detail the severity, size, depth (if applicable) and precise location of the damage. **Photographic and/or video evidence must support all pertinent findings.**

Recording Findings for Multiple Propellers/Rudders/Etc:

The form is set up to record the *general* condition of multiple items. Use note sections and drawings for specific findings for a particular rudder, propeller, rope guard, thruster, etc. Remember, when in doubt - take notes.

Degree Boxes:

When using the form as a printed hard copy, the gray rectangular boxes are for writing in Degree (unless specified otherwise), as in the following example:

Slime

When using the form as an electronic PDF, the degree boxes function as drop-down menus. A degree must be selected from the drop-down menu if its corresponding item is checked.

Common Terminology and Abbreviations:

Degrees for Fouling Condition: Light, Medium, Heavy, Extreme

Degrees for Defect/Damage: Minor, Moderate, Major (or Heavy), Severe

Dimensions: Length (L) | Width (W) | Height (H) | Depth (D) | Deflection (degrees) | Direction (of bend)

Locations: Port | Starboard (STBD)

Forward (FWD) | Mid-Ship/Amidships (MID) | Aft

Leading Edge (LE) | Trailing Edge (TE) | Suction Face (SF) | Pressure Face (PF) | Radius (R)

INSPECTION READINGS

SUBSEA GLOBAL SOLUTIONS

MEASUREMENTS TAKEN: YES NO - Measurements not required for this work
 Unable to obtain measurements for the reason(s) noted below.

NO MEASUREMENTS TAKEN

NOTES

RUDDER

N/A - No Rudder(s) Rudder(s) Not Inspected At This Time

Number of Rudders: One Two Three Rudder Flap(s): Yes No

Fouling: Clean Slime Grass See Notes
 Barnacles Mussels Tube Worm

Coating System: SPC (Polishing Paint) FRC (Silicone) SPC / FRC (Both Types Used) STC (Hard Paint) Other
 Intact Detachment (AF) Minor Detachment (AC)
 Polishing (SPC) Cracking See Notes
 Blistering Cold Flow

Plate/Welds: No Damage Sighted Cavitation Pitting Max Depth _____ mm
 Corrosion Erosion See Notes

Fastenings: Secure Covered See Notes

Inspection Hatch: Welded Bolted (Secure) N/A See Notes

Jumper Block Clearance: _____ mm (Approximate Measured) N/A See Notes

Anodes: Not Fitted Welded Bolted See Notes
 15 % Depleted All Anodes Intact. Some Anodes Missing
 4 Anodes Present Total Per Side Total Per Rudder

Damage: No Damage Sighted Previous Damage/Repairs Damage Found See Notes

RUDDER NOTES See Drawing(s) Made

Note specific location(s) of paint detachment, cavitation/pitting, or any damages found.
Include detailed measurements for any significant findings.

PROPELLER

Propeller(s) Not Inspected At This Time

Number of Propellers: One Two Three Pods: Yes No

Number of Blades per Prop: Three Four Five Six Blade Type: Fixed Pitch Controllable Pitch

Boss Cap Fins: Yes No Propeller Diameter (if known, or if visible on prop stamp): _____ mm

Fouling: Clean Calcium _____ To radius: _____ Slime _____ To radius: _____
 Grass _____ To radius: _____ Barnacles _____ To radius: _____
 Tube Worm _____ To radius: _____ See Notes

*In regard to fouling, a radius of 0.3 includes propeller cap, hub, and blade roots.

Polished: Yes No See Notes

Coated Propeller: Not Coated Coating Intact Detachment _____ See Notes

Boss Cap: Fastenings N/A Secure Keepers Intact Bolted Cover Secure
 Covered Cement Covers Intact See Notes

Boss Anode N/A _____ % Depleted See Notes

Blade Fastenings: N/A Secure Keepers Intact Covered Not Visible (Internally Mounted) See Notes

Cavitation/Pitting: None Sighted Cavitation _____ Pitting _____ Max Depth _____ mm
 See Notes

Damage: No Damage Sighted Previous Damage/Repairs Damage Found See Notes

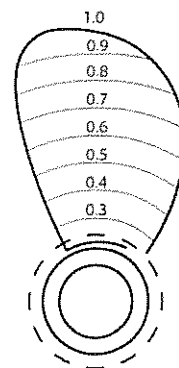
PROPELLER NOTES See Drawing(s) Made

Identify specific blade(s)/location(s) of any damages or cavitation, including the side of the blade and radius as applicable. Include detailed measurements for any significant findings.

Starboard Propeller found polished and without coating
Port propeller found clean and coated 100% (intact)

On two successive blades of port propeller, minor nicks were detected (one on each blade).
1st blade at 0.5 radius of the leading edge, dimensions of nick: 12mm length x 6mm radial length
2nd blade at 0.3 radius of trailing edge, dimensions of nick: 15mm length x 7mm radial length

Radius Example



ROPE GUARD(S) / SHAFT SEAL(S)

Rope Guard(s) Not Inspected At This Time

Fitting: Welded Bolted (Secure) See Notes

Rope Cutters: Not Fitted Welded Bolted All Intact Missing/Damaged Cutters Found See Notes

Erosion/Corrosion: None Sighted Erosion Corrosion See Notes

Rope Guard Anodes: Not Fitted Welded Bolted See Notes
_____ % Depleted All Anodes Intact Some Anodes Missing
_____ Anodes Present Total Total Per Rope Guard

Damage: No Damage Sighted Previous Damage/Repairs Damage Found See Notes

Inspection Ports: Yes No Cover Plate (Welded Bolted) See Notes

Fouling Inside Rope Guard: Not Visible Clean Grass Barnacles
 Mussels See Notes

Fastenings Under Guard: Secure Not Visible See Notes

Entanglement: None Sighted Yes - Entanglement Found See Notes

Seal Plugs: Plugs Intact Safety Wire Intact Not Visible See Notes

Oil Leakage: None Sighted Yes - Oil Leakage Found See Notes

Shaft Liner Anodes: Not Fitted Not Visible Anodes Intact 15 % Depleted See Notes

ROPE GUARD / SHAFT SEAL NOTES See Drawing(s) Made

Note location(s) of erosion, corrosion, or any damages found. Include detailed measurements for any significant findings.

There are no inspection / access openings.

STERN ARRANGEMENT

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Stern Arrangement Not Inspected At This Time

Propeller Pod(s) Stern Tube(s) Strut(s) Kort Nozzle(s) See Notes

Fouling: Clean Slime Grass Barnacles Mussels Tube Worm See Notes

Coating System: SPC (Polishing Paint) FRC (Silicone) SPC / FRC (Both Types Used) STC (Hard Paint) Other

Intact Detachment (AF) Detachment (AC) Polishing (SPC) Cracking Blistering Cold Flow See Notes

Plate/Welds: No Damage Sighted Cavitation Pitting Corrosion Erosion See Notes

Max Depth _____ mm

Anodes: Not Fitted Welded Bolted See Notes

_____ % Depleted All Anodes Intact Some Anodes Missing

_____ Anodes Present Total Per Side Total Per - _____

Damage: No Damage Sighted Previous Damage/Repairs Damage Found See Notes

STERN ARRANGEMENT NOTES

See Drawing(s) Made

Note specific location(s) of paint detachment, cavitation/pitting, or any damages found.
Include detailed measurements for any significant findings.

SEA CHESTS

Sea Chests Not Inspected At This Time

Sea Chest Grating Type: Bolted Cut In Shell with Bolted Door See Notes

PORT SIDE Port Sea Chest(s) Not Sighted / Inspected

Location(s) Aft Number of Gratings - _____ N/A High Low Fire Suction
 Mid-ship Number of Gratings - 1 N/A High Low Fire Suction See Notes
 Forward Number of Gratings - _____ N/A High Low Fire Suction

Fastenings: Secure Keepers Intact See Notes

Fouling: Clean Grass Barnacles Mussels Tube Worm
 _____ % Obstructed Gratings Cleaned: Yes No N/A See Notes

Anodes (Sacrificial): 15 % Depleted _____ Number Sighted None Sighted See Notes

Anodes (Anti-Fouling): 15 % Depleted _____ Number Sighted None Sighted See Notes

STBD SIDE Stbd Sea Chest(s) Not Sighted / Inspected

Location(s) Aft Number of Gratings - _____ N/A High Low Fire Suction
 Mid-ship Number of Gratings - 1 N/A High Low Fire Suction See Notes
 Forward Number of Gratings - _____ N/A High Low Fire Suction

Fastenings: Secure Keepers Intact See Notes

Fouling: Clean Grass Barnacles Mussels Tube Worm
 _____ % Obstructed Gratings Cleaned: Yes No N/A See Notes

Anodes (Sacrificial): 15 % Depleted _____ Number Sighted None Sighted See Notes

Anodes (Anti-Fouling): 15 % Depleted _____ Number Sighted None Sighted See Notes

SEA CHEST NOTES See Drawing(s) Made

Make note of any cleaning performed, and/or any other significant findings.

FLAT BOTTOM

Flat Bottom Not Inspected At This Time If only certain areas were inspected, please provide details in the note section below.

Fouling: Clean Slime Grass Barnacles Mussels Tube Worm See Notes

Coating System: SPC (Polishing Paint) FRC (Silicone) SPC / FRC (Both Types Used) STC (Hard Paint) Other
 Intact Detachment (AF) Detachment (AC) Polishing (SPC) Cracking Blistering Cold Flow See Notes

Damage: No Damage Sighted Previous Damage/Repairs Damage Found See Notes

FLAT BOTTOM NOTES See Drawing(s) Made

Detail the fouling condition, and any cleaning performed (if applicable). Note specific locations of paint detachment, or any damages found. Include detailed measurements for any significant findings.

BILGE KEELS

N/A - No Bilge Keels Bilge Keels Not Sighted / Inspected At This Time

Number of Sections Per Side: 2 See Notes

Anodes: Not Fitted Welded Bolted 20 % Depleted See Notes

Damage: No Damage Sighted Previous Damage/Repairs Damage Found See Notes

BILGE KEELS NOTES See Drawing(s) Made

Note specific location(s) of any damages found. Include detailed measurements for any significant findings.

VERTICAL SIDES

Vertical Sides Not Inspected At This Time If only certain areas were inspected, please provide details in the note section below.

Fouling: Clean Slime Grass See Notes
 Barnacles Mussels Tube Worm

Fouling Location: From - Draft Mark Meters (Approximate) Waterline
Down To - Draft Mark Meters (Approximate) Turn See Notes

Fouling Description: **Check all that apply and/or write a description in the notes below.**
 Band of heavier growth present at waterline. See Notes
 Growth tapers off gradually towards bottom of growth range.
Fouling is consistent: From bow to stern On both port and starboard sides

Coating System: SPC (Polishing Paint) FRC (Silicone) SPC / FRC (Both Types Used) STC (Hard Paint) Other
 Intact Detachment (AF) Detachment (AC)
 Polishing (SPC) Cracking See Notes
 Blistering Cold Flow

Side Shell Anodes: Not Fitted Welded Bolted 20 % Depleted See Notes

Damage: No Damage Sighted Previous Damage/Repairs Damage Found See Notes

VERTICAL SIDES NOTES See Drawing(s) Made

Detail the fouling condition, and any cleaning performed (if applicable). Note specific locations of paint detachment, or any damages found. Include detailed measurements for any significant findings.

STABILIZER FINS

N/A - No Stabilizer(s) Stabilizers Not Inspected At This Time

Number of Stabilizers: One Per Side Two Per Side
 Inspected in the Retracted Position Inspected in the Extended Position

Fouling: Clean Slime Grass See Notes
 Barnacles Mussels Tube Worm
 Fouling is Concentrated on/around Crux

Fastenings: Secure Keepers Intact See Notes

Entanglement: None Sighted Yes - Entanglement Found See Notes
Entanglement Removed - N/A All Removed Partially Removed Not Removed

Oil Leakage: None Sighted Yes - Oil Leak Found See Notes

Anodes: Not Fitted Welded Bolted _____ % Depleted See Notes

Damage: No Damage Sighted Previous Damage/Repairs Damage Found See Notes

STABILIZER NOTES See Drawing(s) Made

Note specific location(s) of any damages found. Include detailed measurements for any significant findings.

THRUSTER(S) - GRATINGS / TUNNEL / ASSEMBLY

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N/A - No Thruster(s) Thruster(s) Not Inspected At This Time

Number of Bow Thrusters: N/A One Two Three Four Bow Thrusters Not Inspected

Number of Stern Thrusters: N/A One Two Three Four Stern Thrusters Not Inspected

Gratings - Bow Thruster(s): Welded Bolted (Secure) No Gratings See Notes

Stern Thruster(s): Welded Bolted (Secure) No Gratings See Notes

Bow Thruster Tunnel(s) Not Accessible Due To Gratings Stern Thruster Tunnel(s) Not Accessible Due To Gratings

Fouling - Tunnel / Assembly: Clean Slime Grass See Notes

Barnacles Mussels

Tube Worm

Fastenings on Housing: Secure Keepers Intact See Notes

Tunnel / Liner: No Damage Sighted Fracture(s) / Indication(s) Found See Notes

Cavitation Pitting Max Depth _____ mm

Corrosion Erosion

Strut: Welded Bolted (Secure)

No Damage Sighted Previous Damage/Repairs Damage Found See Notes

Anodes - Tunnel: Not Fitted Welded Bolted See Notes

20 % Depleted All Anodes Intact Some Anodes Missing

4 Anodes Present Total Per Thruster

Anodes - Housing: Not Fitted Welded Bolted See Notes

Damage: No Damage Sighted Previous Damage/Repairs Damage Found See Notes

THRUSTER NOTES See Drawing(s) Made

Note specific location(s) of any damages found. Include detailed measurements for any significant findings.

THRUSTER(S) - PROPELLER / ROPE GUARD

SUBSEA GLOBAL SOLUTIONS

Thruster Tunnel(s) Not Accessible Due To Gratings. Thruster Propeller(s) Not Clearly Visible For Inspection.

Fouling: Clean Calcium To radius: Slime To radius:
 Grass To radius: Barnacles To radius:
 Tube Worm To radius: See Notes

*In regard to fouling, a radius of 0.3 includes propeller cap, hub, and blade roots.

Blade Fastenings: N/A Secure Keepers Intact Covered Not Visible (Internally Mounted) See Notes

Cavitation/Pitting: None Sighted Cavitation Pitting Max Depth mm
 See Notes

Entanglement: None Sighted Yes - Entanglement Found See Notes

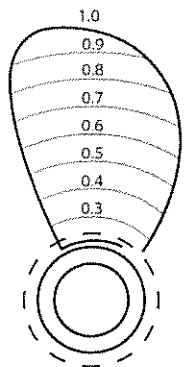
Oil Leakage: None Sighted Yes - Oil Leak Found See Notes

Damage: No Damage Sighted Previous Damage/Repairs Damage Found See Notes

THRUSTER NOTES See Drawing(s) Made

Identify specific blade(s)/location(s) of any damages or cavitation, including the side of the blade and radius as applicable. Include detailed measurements for any significant findings.

Radius Example



CATHODIC PROTECTION SYSTEM**SUBSEA GLOBAL SOLUTIONS**

FWD ICCP: Not Fitted Forward ICCP Not Sighted / InspectedAFT ICCP: Not Fitted Aft ICCP Not Sighted / Inspected

CATHODIC PROTECTION NOTES See Drawing(s) MadeMake note of any damages or other significant findings.

TRANSDUCERS

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Transducers Not Sighted / Inspected At This Time

Number of Transducers Inspected: _____ Forward _____ Amidships _____ Aft See Notes

Fastenings: Secure See Notes

Damage: No Damage Sighted See Notes

TRANSDUCER NOTES See Drawing(s) Made

Detail any damages found.

BULBOUS BOW

Bulbous Bow Not Inspected At This Time

Fouling: Clean Slime _____ Grass _____ See Notes
 Barnacles _____ Mussels _____ Tube Worm _____

Coating System: SPC (Polishing Paint) FRC (Silicone) SPC / FRC (Both Types Used) STC (Hard Paint) Other
 Intact Typical Anchor Chain Abrasions (Minor to Moderate) Severe Anchor Chain Abrasions
 Detachment (AF) _____ Detachment (AC) _____
 Polishing (SPC) _____ Cracking _____ See Notes
 Blistering _____ Cold Flow _____

Damage: No Damage Sighted Previous Damage/Repairs Damage Found See Notes

BULBOUS BOW NOTES See Drawing(s) Made

Detail the fouling condition, and any cleaning performed (if applicable). Note specific locations of paint detachment, or any damages found. Include detailed measurements for any significant findings.

Empty rectangular box for additional notes.

Please fill in Job Summary details below, or indicate if a separate Job Summary (and/or Field Report) document was filled out:

See Separate Job Summary document(s)

GENERAL SUMMARY N/A

The general summary will appear in the final report before the individual Observations (optional).

Enter details...

OBSERVATIONS N/A

This section generally consists of 3 to 4 of the most noteworthy observations from a ship inspection, and should typically include a section in regard to hull fouling. Example Observation Headings: "Propeller Polish & Findings", "Hull Fouling & Paint Condition", "Rope Guard Entanglement & Removal", or simply "Rudder", "Propeller", "Rope Guard", etc. These observations should be more polished and formally written than your typical "Notes" sections in the field survey pages.

OBSERVATION 1: Enter Heading here...

Enter Details...

OBSERVATION 2: Enter Heading here...

Enter Details...

OBSERVATION 3: Enter Heading here...

Enter Details...

RECOMMENDATIONS N/A No Recommendations at this time

Please type in recommended actions based on the findings of the inspection (Example: "Hull Cleaning on Vertical Sides", "Propeller Polish", etc.)

RECOMMENDATION 1:

Enter Details...

RECOMMENDATION 2:

Enter Details...

RECOMMENDATION 3:

Enter Details...

FINALIZING THE REPORT

Thoroughly review all report sections and summary for completeness and accuracy. Input client details below and check all appropriate boxes.

Date: 4/8/2017

Job Number:

Vessel: Aqua Spirit

IMO Number:

Work Description: CCTV Inspection

Location: Syros Port

Work performed by third party contractor: Yes No

Dive Company Performing the Service:

Technodive Ltd.

Class Inspection: Yes No

Surveyor Name:

George Methenitis

Class Society:

Lloyd's Register

Client:

PO Number: N/A

Client Address:

FINAL REPORT

Enter password and select the desired option.

Password: _____

- SHOW FINAL REPORT (w/FIELD REPORT)
- SHOW FINAL REPORT ONLY
- SHOW INSPECTION FINDINGS ONLY

Starting Page Number: 2

The cover page is always "Page 1". The page number input above applies to the first page of any additional sections included in the final report - "Page 2" by default.

SGS location in charge of job / report:

SUBSEA GLOBAL SOLUTIONS

Region:

Final Report Prepared By:

Address / Phone / Fax:

Address 1
Address 2
Tel:
Fax:

Include Report Writer: Yes No

Email: