

Blunt Rigging

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Visual Rigging Inspection

Performed By: Michael Blunt

Date: 1/10/2024

Yacht Details

| | |
|-------------|-------------------|
| Name | Aandeel |
| Make, Model | Goetz 77 |
| Year | 1996 (Refit 2013) |
| Hull Number | 1044825 |

Customer Info

| | |
|---------------|-----------------------|
| Name | Jim Voorhees |
| Phone | (775) 762-3020 |
| Email | jvoorheesnv@gmail.com |
| Boat Location | Oxnard, CA |

Rig Details

| | |
|---------------|--|
| Rig Type | Masthead Sloop. Triple swept back spreader with in boom furling mainsail |
| Manufacturer | Hall Spars |
| Mast Material | Carbon Fiber |

Legend

| Condition Rating | Description |
|------------------|---|
| 1 | Excellent- Part is in excellent working condition with no structural or cosmetic issues |
| 2 | Good- Part is in good working condition but shows signs of wear |
| 3 | Fair - Part is working but has minor structural damage or is in need of service |
| 4 | Poor- Part is not functioning properly, or has major structural damage and needs service or replacement |
| 5 | Fail- Part is broken or has stopped functioning and must be replaced |
| N/A | Or Left Blank- Not applicable |

Standing Rigging

| Shroud # | Condition Port/STB | Detailed Description, Sizes, Notes, and Recommendations |
|-----------------------|--------------------|--|
| Rig Tune | 1 | Mast is in column and shrouds are properly tensioned |
| Vertical Shrouds | | Unable to inspect cold heads with rigging assembled. Turnbuckles and tip cup fittings visually appear to be in sound structural condition although the locking set screws are either rusted, stripped, or missing |
| Diagonal Shrouds | | Unable to inspect cold heads with rigging assembled. Turnbuckles and tip cup fittings visually appear to be in sound structural condition although the locking set screws are either rusted, stripped, or missing |
| Headstay (HS) | | Unable to inspect cold heads with rigging assembled. Lower toggle is concealed below the deck with a rusted ratchet extension welded to primary pin. Further inspection required to determine structural integrity . |
| HS Furling System | 3 | Harken Hydraulic furling system- Cracked seals and small amounts of oil leaking from manual override drive. |
| Inner Forestay (IFS) | N/A | |
| IFS Furling System | N/A | |
| Backstay (BS) | 4 | Kevlar Backstay- protective plastic covering is cracked exposing raw kevlar to UV light |
| Backstay Legs | 3 | Dyneema adjuster strop is chafed at through deck fittings and turning blocks |
| Hydraulic BS Adjuster | 4 | Cylinder is leaking oil at shaft wiper seal |
| | | |
| | | |

Running Rigging

| Part Description | Condition | Detailed Description, Sizes, Notes, and Recommendations |
|------------------|-----------|--|
| Main Halyard | 2 | Normal wear and tear. Minor UV damage where exposed to sun |

| Part Description | Condition | Detailed Description, Sizes, Notes, and Recommendations |
|------------------------|-----------|---|
| Genoa Halyard 1 | 3 | Cover is chafed through at upper sheave box. Normal wear and tear. Minor UV damage where exposed to sun |
| Genoa 2 | N/A | |
| Spinnaker Halyard Port | 2 | Normal wear and tear. Minor UV damage where exposed to sun |
| Spinnaker Halyard STB | N/A | |
| Staysail Halyard | 2 | Normal wear and tear. Minor UV damage where exposed to sun |
| Pole Topping Lift | N/A | |
| Pole Butt Lift | N/A | |
| Lazy Jacks | N/A | |
| Boom Topping Lift | N/A | |
| Reef 1 | N/A | |
| Reef 2 | N/A | |
| Outhaul system | N/A | |
| Mainsheet | 2 | Normal wear and tear. Minor UV damage where exposed to sun |
| Traveler Lines | 2 | Normal wear and tear. Minor UV damage where exposed to sun |
| Genoa Sheets | 2 | Normal wear and tear. Minor UV damage where exposed to sun |
| Genoa Lead Adjusters | N/A | |
| Furling Line | N/A | |
| Spinnaker Tack Line | N/A | |
| Running Backstays | N/A | |
| Runner Tails | N/A | |
| | | |

Mast

| Part Description | Condition | Detailed Description, Sizes, Notes, and Recommendations |
|---------------------|-----------|--|
| Mast Tube | 2 | Possible minor delimitation of the outer layer of carbon at the mast step. |
| Paint/Coating | 3 | Paint is bubbling and flaking at several spots |
| Windex | 3 | Base is very corroded |
| Mainsail Track | 1 | |
| Halyard Sheaves | 1 | |
| Halyard Exits | 1 | |
| Shroud Tangs | 2 | |
| Headstay Attachment | 1 | |
| Backstay Attachment | 4 | Possible crack in the carbon around pin bushing |
| IFS Attachment | 1 | |
| Boom Attachment | 1 | |
| Boomvang Attachment | 4 | |
| Mast Step | 1 | |
| Mast/Deck Collar | 3 | Port aft corner of collar is cracked |
| Jammers/Cleats | 1 | |
| Misc. Hardware | 1 | |
| | | |

Spreaders

| Part Description | Condition | Detailed Description, Sizes, Notes, and Recommendations |
|------------------|-----------|--|
| S-1 Port /STB | 3/3 | Significant corrosion between mast tube and spreader base plate. |

| Part Description | Condition | Detailed Description, Sizes, Notes, and Recommendations |
|-----------------------|-----------|---|
| S-2 Port/STB | 3/3 | Significant corrosion between mast tube and spreader base plate. Small horizontal cracks visible at the spreader tips around the shroud tip cup fittings. Antenna mounted on port side is corroded and the cover has broken away from base. |
| S-3 Port/STB | 3/2 | Minor corrosion between mast tube and spreader base plate. Port side leading edge is worn through multiple layers of carbon by the Genoa |
| S-4 Port/STB | N/A | |
| Boom | | |
| Part Description | Condition | Detailed Description, Sizes, Notes, and Recommendations |
| Boom Tube | 1 | |
| Paint/Coating | 2 | |
| Gooseneck Fitting | 1 | |
| Foot Track | N/A | |
| Outhaul System | N/A | |
| Sheaves | N/A | |
| Boomvang | 1 | |
| Boomvang Attachment | 4 | Lower toggle has significant corrosion and is frozen to stainless pins |
| Reef Systems | N/A | |
| Lazy Jack Attachments | N/A | |
| Jammers/Cleats | N/A | |
| Misc. Hardware | 1 | |

Deck Hardware

| Part Description | Condition | Detailed Description, Sizes, Notes, and Recommendations |
|------------------------|-----------|---|
| Chainplates | 1 | |
| HS Stem Fitting | 1 | |
| Traveler Track | N/A | |
| Traveler Hardware | N/A | |
| Mainsheet Hardware | 1 | |
| Genoa Tracks | 1 | |
| Genoa Lead Hardware | 1 | |
| Furling Lead Hardware | N/A | |
| Halyard Jammers/Cleats | 1 | |

Lights and Electrical

| Part Description | Condition | Detailed Description, Sizes, Notes, and Recommendations |
|--------------------|-----------|--|
| Anchor Light | N/A | |
| Tricolor Light | N/A | |
| Strobe Light | N/A | |
| Windex Light | 4 | Fixture is corroded and light is not working |
| Steaming Light | 1 | |
| Deck Light | 1 | |
| Spreader Lights | 3/5 | Fixtures are corroded and starboard side is not working |
| VHF Antenna | 4 | Mounting bracket corroded and failed |
| TV Antenna | 1 | |
| Radar | 1 | |
| Spreader Up Lights | 4 | Only starboard S1/3 lights are working. All lights have moisture inside the lens |

Summary

Overall, the mast and rigging has several visible issues, and is in need of routine service. The report findings show items of wear or failure that should be addressed to prevent component failure or additional damage. The age of the standing rigging is not gauged, but it appears to be over 10 years of age, our recommendation is to remove the mast and preform a penetrating dye test on all cold heads and shroud components.

This report is compiled following a visual check only of mast and rigging equipment. As such, assessments cannot guarantee that all components are fit for purpose and Blunt Rigging cannot be held liable for the failure of any components which are inspected, or where a complete visual inspection was not possible and/or reported at the time this assessment was conducted.