SEAPLANE-WRECKING
DERRICK

SERIAL NO. YSD-76

Note: Poor Quality Original

HNSA thanks Ed Zajkowski for his generous loan of the original document used to create this online version.
### Data and General Information

#### Principal Dimensions

- **Length Overall:** 104'-0" 
- **Length Between Perps:** 100'-0" 
- **Length on Main Deck:** 102'-9" 
- **Beam (Molded):** 36'-0" 
- **Breadth Over Fenders:** 31'-2" 
- **Depth Molded (Midships):** 7'-0" 
- **Height of Deck at Stern (Molded):** 7'-0" 
- **Frame Spacing:** F.P.M.E.T.**II**-8'-0", F.P.M.E.T.**III**-6'-0" 

#### Main Engines

- **2-200 HP 1500 RPM Diesel Engines** 
  - **1 Port Engine (1st BD, Engine 8-Cylinders):** 5'-8" Bore, 7.5 Stroke, Engine Model M655-8-1, C.W. - Engine Model M660-8-1 C.W. with Reduction Gears. Superior Engine Made By National Supply Co., Hagerstown, Ohio. 

#### Propeller Data

- **Two Propellers:** Right & Left Hand Teak Bladed: True Screw Material, Hanganese Bronze. 
  - **Diameter:** 3'-6" 
  - **Pitch:** 2'-6" 
  - **F.A. (Beyond Hub):** .917 
  - **Projected Area (Beyond Hub):** 3.78 
  - **S.H.P. - Total:** (Two Shafts) 400 
  - **R.P.M.:** 600 
  - **Speed in Knots:** 

#### DRAFT

- **Draft with Plane on Deck:** Fore 4'-0" Aft 
- **Draft without Plane on Deck:** Fore 4'-0" Aft 

#### Generator

- **1-Generator, Electric, 25 K.W., 120 V. D.C.** 
- **Driven by General Motors Model 27163 Diesel Engine, 2-Cylinders, 2-Cycle, 4.5" Bore x 5.5" Stroke, 30 H.P., 1200 R.P.M. F.M.E.T. By General Motors Corp.** 
  - **Detroit, Mich.** 

#### Anchor Windlass

- **2 Electric Motor Driven Anchor Windlass** 
  - **Capacity: 4000 Lb.** at 41 ft. per min. F.M.E.T. By Markey Machinery Co., Seattle, Washington. 

#### Main Generator

- **1-Generator, Electric, 30 K.W. 120 V. D.C.** 
- **Driven by Cummins Diesel Engine, 6-Cylinders, 4" Bore x 5.5" Stroke, 44 H.P. - 1450 R.P.M. F.M.E.T. By Cummins Engine Co., Columbus, Indiana.** 

#### Electrical Equipment

- **Searchlight (2):** 250-500, C.E., Lever Control, A.L. Watt. 
- **Flood Lights (4):** 2,000 - 2,500 Watt, Type B-5. 
- **Overhead Lights (6):** 200 Watt. 
- **Type N3 MODEL, HIGH INTENSITY RESOCIATED** 
- **Type No. 90 MOTOR OPERATED (SHIPS MODEL)** 
- **Type B-5 Bell (CAL-BELL SYSTEM)** 
- **Type B-5 Bell (CAL-BELL SYSTEM)** 
- **Distribution & Generator SWING** 
- **Olefin (4):** 1,000 Watts. 
- **Torch (2):** 1,000 Watts. 
- **Torches (2):** 1,000 Watts. 
- **2-1/2" Bracket Fittings** 
- **2-1/2" HD. Supply Fittings** 
- **Electrician's Tools** 
- **Handy Tool (7):** 
- **Fusible Fittings** 
- **12" Bracket Fittings** 

#### Speed Crane Data

- **Model 655 "American" Electric Seaplane Wrecking Derrick Fitted with 50 ft. Heavy Boom, Cap't at 50 ft. Radius, 22,000 lbs., Powdered with 6-Cylinders, 95 H.P., 416" Bore x 6.5" Stroke, At 1200 R.P.M. Diesel Engine, Speed Crane F.M.E.T. By American Hoist & Derrick Co., St. Paul, Minn.** 

#### Ballast

- **The Vessel Shall Be Ballasted As Follows:** Using Iron Block, and Concrete: Stem to Bulkhead One Half, 5,500 Pounds, Bulkhead One Half to Bulkhead One, 11,000 Pounds. 

#### Anchors

- **1-900" Long Fluke Navy Type, Stockless Anchor, Housed in Hawse Pipe on Stern Side of Ship, With 18-25 ft. Shanks of 1" Closed Link Anchor Chain, Outboard Swivel Shot.** 
- **1-700" Stern Anchor, Housed on Main Deck, Bet. F.S. Port Side, With 18-25 ft. Shanks of 1" Closed Link Anchor, Anchor Chain, Outboard Swivel Shot.**