

TECHNICAL DATA

MISS BARDAHL - U-40

HULL SPECIFICATIONS

Length overall	30' - 4"
Weight	6330 lbs. without fuel and oil 7100 lbs. with fuel and oil
Extreme beam	12' - 5"
Depth - main hull	2' - 2"
Tunnel depth	0' - 8-1/4"
Tunnel width	6' - 10"
Top speed	180 M. P. H. and up

CONSTRUCTION DETAILS

Frames - oak and 5 ply aircraft birch
Battens, keel, chines and sheers - oak
Engine stringers - spruce laminated with African mahogany plywood and 1/8" aluminum alloy in stress areas
Bottom and non trip areas - 3/8" plywood bonded with .080 aluminum alloy
Deck - 1/4" 5 ply African mahogany plywood
Sponsons - 1/2" 5 plywood bonded with 1/8" aluminum alloy

MACHINERY SPECIFICATIONS

Engine - Rolls Royce	Model V-1650-9
Number of cylinders	V-12
Bore and stroke	5.5" x 6"
Displacement	1650
Supercharger ratio	5.80 : 1
Peak engine speed	4200 R. P. M.
Make of gear box	Western
Gear box ratio	3.04 to 1 step up
Propeller shaft speed	12,000 R. P. M.
Electrical system	24 volt
Ignition system	Magneto spark - 24 spark plugs
Engine cooling	Water
Fuel and capacity	Aviation gas - 100 gals.
Oil capacity	15 gallons of Bardahl
Propellers	Sizes range from 13" dia. x 17" to 24" pitch
Propeller shaft	1-3/4" dia. "K" Monel

COLOR DESIGN

Tail fin	Yellow with black and green trim
Cowlings	Metallic green
Hull	Metallic green and yellow sides with black trim
Lettering	Side black - deck white

REGISTRATION

Owner - Bardahl Chemical Corporation, Seattle, Washington
Yacht Club - Seattle
Crew Chief - Leo Vandenberg
Driver - Ron Musson
Designer/Builder - Ted Jones, Seattle, Washington
Sanction - American Power Boat Association (APBA)