Yukon Notes

From Eric R.J. van den Bosch, Amsterdam Holland

Dear Glen-L Designers,

I built the Yukon from your full plans, with some minor alterations. ... She is built using solid mahogany and mahogany marine plywood, epoxy and glass cover (approx. 300 Kg.).

Took me approx. 3500 Hr to construct, will be launched April 2000. Meant for long-range crossing. 2000 ltr. Diesel, 900 ltr. water, 275 ltr. wastewater tank. Tanks made from wood/glass/epoxy.

Estimated range, 2500 NM. with new low fuel consumption Perkins M135 (99 KW) 2600 rpm.

YUKON SPEED CHART

The speeds listed below are approximate and not guaranteed. They are based on the listed displacement and may vary if displacement (weight) varies. All speeds assume well-faired hulls driving through properly sized propellers with suitable gearing to match the power and torque curves of the engine in question. All speeds are in knots per hour. To convert to miles per hour, divide by .87. Horsepower is given as constant 24-hour rated SHAFT HORSEPOWER (SHP); NOT brake horsepower (BHP), nor intermittent ratings. If only BHP is known, multiply this figure by .70 for approximate constant SHP. Figures assume S.A.E. methods. If ratings given in D.I.N., these will be about 8% less than S.A.E. If ratings given in KW, this will give ratings about 75% of BHP (S.A.E.) ratings. In all cases, it makes no difference if the engine is diesel or gasoline powered.

LWL: 31'8" x 7.75 tons

30 shp	7.5 knots
48 shp	9 knots
68 shp	10 knots
85 shp	11 knots
110 shp	12 knots

12 knots is the absolute maximum speed for this hull, regardless of power installed.

Range: 1050 miles with 240 gals