

SPEED TRIALS

SPEED TRIALS WITH 4 BLADE PROPS

NORMAL RUNNING BOTH ENGINES

NOMINAL RPM	PORT RPM	STBD RPM	SPEED TTW	PORT GPH	STBD GPH	TOTAL GPH	NOMINAL NMPG
1200			5.7	1.3	1.1	2.4	2.38
1300	1298	1292	6.2	1.5	1.4	2.9	2.14
1400			6.9	1.9	1.6	3.5	1.97
1500	1520	1524	7.2	2.3	2.2	4.5	1.60
1600			7.7	2.6	2.4	5	1.54
1700			8.4	3.1	2.7	5.8	1.45
1800	1812	1823	8.6	3.7	3.4	7.1	1.21
1900			9.2	4.4	3.9	8.3	1.11
2000	2025	2029	9.4	5.1	4.7	9.8	0.96
2100			9.8	5.9	5.7	11.6	0.84
WOT 2200	2213	2205	10	6.9	6.8	13.7	0.73

RUNNING ON PORT ENGINE

STARBOARD SHAFT DOGGED				STARBOARD SHAFT FREEWHEELING			ADVANTAGE FREEWHEELING		FREEWHEELING COMPARED TO TWIN ENGINE RUNNING		
NOMINAL RPM	SPEED TTW	PORT GPH	NOMINAL NMPG	SPEED TTW	PORT GPH	NOMINAL NMPG	SPEED TTW	NOMINAL NMPG	SPEED TTW	NOMINAL NMPG	RANGE % INCREASE
1200	4	1.5	2.67	4.3	1.5	2.87	0.30	0.20	-1.4	0.49	20.70%
1300	4.4	1.8	2.44	5.1	1.8	2.83	0.70	0.39	-1.1	0.70	32.53%
1400	5	2.1	2.38	5.4	2.2	2.45	0.40	0.07	-1.5	0.48	24.51%
1500	5.5	2.6	2.12	5.7	2.6	2.19	0.20	0.08	-1.5	0.59	37.02%
1600	5.8	3	1.93	6.2	3.1	2.00	0.40	0.07	-1.5	0.46	29.87%
1700	6.1	3.5	1.74	6.4	3.7	1.73	0.30	-0.01	-2	0.28	19.43%
1800	6.6	4.1	1.61	6.9	4	1.73	0.30	0.12	-1.7	0.51	42.41%
1900	7	4.8	1.46	7.2	4.7	1.53	0.20	0.07	-2	0.42	38.21%
2000	7.4	5.6	1.32	7.7	5.5	1.40	0.30	0.08	-1.7	0.44	45.96%

RUNNING ON STARBOARD ENGINE

NOMINAL RPM	SPEED TTW	PORT GPH	NOMINAL NMPG	SPEED TTW	PORT GPH	NOMINAL NMPG	SPEED TTW	NOMINAL NMPG	SPEED TTW	NOMINAL NMPG	RANGE % INCREASE
1200	4.1	1.2	3.42	4.4	1.2	3.67	0.30	0.25	-1.3	1.29	54.39%
1300	4.5	1.6	2.81	4.9	1.4	3.50	0.40	0.69	-1.3	1.36	63.71%
1400	4.9	1.9	2.58	5.4	1.8	3.00	0.50	0.42	-1.5	1.03	52.17%
1500	5.3	2.2	2.41	5.6	2.2	2.55	0.30	0.14	-1.6	0.95	59.09%
1600	5.7	2.8	2.04	6.1	2.5	2.44	0.40	0.40	-1.6	0.90	58.44%
1700	5.8	3.2	1.81	6.4	3	2.13	0.60	0.32	-2	0.69	47.30%
1800	6.2	3.8	1.63	6.7	3.5	1.91	0.50	0.28	-1.9	0.70	58.04%
1900	6.9	4.4	1.57	7.3	4.2	1.74	0.40	0.17	-1.9	0.63	56.81%
2000	7.3	5.3	1.38	7.6	5.1	1.49	0.30	0.11	-1.8	0.53	55.36%