

Hill's generator systems

DISTRIBUTORS:
Northern Lights
Generac
Lugger

DEALERS:
Onan
Kohler

VOLVO PENTA SEA TRIAL REPORT

BOAT: BERTRAM 31' FLYBRIDGE SPORTFISHER

ENGINES: VOLVO TAMD 41'S RATED
200 HP.

LENGTH: 30' 7"

BEAM: 11' 2"

WEIGHT: AS TESTED 13,000LBS. (PER TRAVEL LIFT SCALE)

PROP SIZE: 19 X 19 WITH A SUPER CUP

TRANSMISSION: VOLVO MS4 WITH A 1.94:1 REDUCTION RATIO

FUEL: 120 GALLONS ABOARD (HOLDS 160 GALLONS)

WATER: NO WATER ABOARD

CONDITIONS: SUNNY DAY WITH LIGHT WESTERLY WINDS (4-6 KNOTS)

PERFORMANCE CHART:

<u>RPM</u>	<u>SPEED</u>
IDLE (700RPM)	4.6 KNOTS
800	5.2 "
1000	6.2 "
1200	6.9 "
1500	8.1 "
1800	10.0 "
2000	11.7 "
2500	19.7 "
2800	21.5 "
3000	22.4 "
3200	23.7 "
3400	24.5 "
3500	25.4 "
3600	26.4 "
3700	27.3 "
WOT	28.5 "
(PORT 3775RPM)	
(STB 3775RPM)	

- MISC. NOTES:
- 1.) THERE WERE TWO ADULTS ON BOARD
 - 2.) ALTHOUGH THERE ARE TRIM TABS INSTALLED ON THE BOAT THERE WERE NOT USED DURING THESE TESTS.
 - 3.) THE ENGINES ARE ONLY TURNING UP 3775 RPM INSTEAD OF THE 3900 RPM THEY ARE RATED. THE CUP SHOULD PROBABLY BE TAKEN OUT OF THE PROPS. THIS SHOULD RESULT IN SPEEDS OF CLOSE TO 30 KNOTS.
 - 4.) THE BOAT RUNS VERY CLEANLY AND WITH NO ROOSTER TAIL.