

# Hill's generator systems

DISTRIBUTORS:  
Northern Lights  
Generac  
Lugger

DEALERS:  
Onan  
Kohler

## VOLVO SEA TRIAL REPORT

BOAT: LUHRS 28' (1969 MODEL YEAR)

ENGINE: VOLVO TAMD 41 RATED  
200 HP (SINGLE ENGINE)

LENGTH: 28'

BEAM: 12'

WEIGHT: 12,000 LBS. AS TESTED

PROPELLER SIZE: 19 X 23

TRANSMISSION: BORG WARNER 1:1 MODEL 72 DRIVING THRU A WALTERS V-DRIVE MODEL RV-30.

FUEL: 120 GALLONS ON BOARD

WATER: 30 GALLONS ON BOARD

CONDITIONS: SUNNY WEATHER WITH 4 TO 6 KNOTS OF WESTERLY WIND, SEAS CALM

MISC. NOTES: 1.) TEST WAS PERFORMED WITH THREE (3) ADULTS ABOARD.

2.) ENGINE WOULD ONLY TURN UP TO 3700 RPM SO WE ARE PLANNING TO TAKE 1" OF PITCH OUT OF THE PROPELLER.

3.) THIS WAS A REPOWER OF A CHRYSLER GAS ENGINE WITH A DISPLACEMENT OF 318 CU. IN. THE BOAT WITH THE OLD ENGINE CRUISED AT 10.5-12 KNOTS AND TOPPED OUT AT 16 KNOTS.

### PERFORMANCE CHART:

<u>RPM</u>	<u>SPEED</u>	<u>RPM</u>	<u>SPEED</u>
1000	5.0 KNOTS	2700	12.4 KNOTS
1300	6.0 "	2800	13.8 "
1500	7.0 "	2900	15.0 "
1800	7.5 "	3000	16.0 "
1900	8.0 "	3100	17.2 "
2000	8.3 "	3200	18.2 "
2100	8.5 "	3300	18.8 "
2200	9.0 "	3400	19.3 "
2300	9.5 "	3500	20.1 "
2400	9.8 "	3600	20.5 "
2500	10.0 "	3700	21.3 " (WOT)
2600	11.0 "		