

VOLVO PENTA

Test Report Work Sheet

| | | | | | | | | | | | | |
|----------------------------|-------------|-------------------|-----------------|----------------------|----|---------------------------|-------------------|-------------------|-------------|-------|--------|-----|
| Printed Date | Date Tested | Boat Manufacturer | Nordstar | | | Sterndrive Manufacturer | | | Volvo Penta | | Model | DPH |
| | | Boat Model | 31 Patrol | | | Transmission Manufacturer | | | | | Model | |
| 6/3/09 | | D6-370 | | | | 370 | 276 | (S) Serial Number | | | 1.63:1 | |
| Note: Single use starboard | | Engine(s) Model | Port Serial No. | Starboard Serial No. | HP | KW | (P) Serial Number | | | Ratio | | |

| UP | | DOWN | | FUEL FLOW | | CONVERSION | | AVERAGES | | RANGE | | DB READINGS | | |
|------------|------|-------|------|-----------|-------|------------|-------|----------|---------|-------|---------|-------------|---------|---------|
| RPM | MPH | KNOTS | MPH | KNOTS | GPH | LPH | G/L | L/G | MPH | KNOTS | MPG | NMPG | NMPL | AT HELM |
| 900 | 7.1 | 6.2 | 7.1 | 6.2 | 0.90 | 3.41 | 3.41 | 0.90 | 7.10 | 6.17 | 7.89 | 6.86 | 1.81 | |
| 1200 | 7.9 | 6.9 | 7.9 | 6.9 | 1.70 | 6.44 | 6.44 | 1.70 | 7.90 | 6.86 | 4.65 | 4.04 | 1.07 | |
| 1500 | 9.6 | 8.3 | 9.6 | 8.3 | 3.60 | 13.63 | 13.63 | 3.60 | 9.60 | 8.34 | 2.67 | 2.32 | 0.61 | |
| 1800 | 10.6 | 9.2 | 10.6 | 9.2 | 6.30 | 23.85 | 23.85 | 6.30 | 10.60 | 9.21 | 1.68 | 1.46 | 0.39 | |
| 2100 | 14.7 | 12.8 | 14.7 | 12.8 | 9.50 | 35.96 | 35.96 | 9.50 | 14.70 | 12.77 | 1.55 | 1.34 | 0.36 | |
| 2400 | 23.4 | 20.3 | 23.4 | 20.3 | 10.10 | 38.23 | 38.23 | 10.10 | 23.40 | 20.33 | 2.32 | 2.01 | 0.53 | |
| 2700 | 30.5 | 26.5 | 30.5 | 26.5 | 11.40 | 43.15 | 43.15 | 11.40 | 30.50 | 26.50 | 2.68 | 2.32 | 0.61 | |
| 3000 | 35.9 | 31.2 | 35.9 | 31.2 | 14.20 | 53.75 | 53.75 | 14.20 | 35.90 | 31.20 | 2.53 | 2.20 | 0.58 | |
| 3300 | 40.9 | 35.5 | 40.9 | 35.5 | 19.50 | 79.81 | 73.81 | 21.08 | 40.90 | 35.54 | 2.10 | 1.82 | 0.48 | |
| | | 0.0 | | 0.0 | | | 0.00 | 0.00 | #DIV/0! | 0.00 | #DIV/0! | #DIV/0! | #DIV/0! | |
| | | 0.0 | | 0.0 | | | 0.00 | 0.00 | #DIV/0! | 0.00 | #DIV/0! | #DIV/0! | #DIV/0! | |
| WOT 3410) | 41.4 | 36.0 | 41.4 | 36.0 | 19.6 | 74.19 | 74.19 | 19.60 | 41.40 | 35.98 | 2.11 | 1.84 | 0.48 | |

| TIME TO PLANE (Sec) | | | | SPECIFICATIONS | | | | | | | | |
|------------------------------|-----|------------|---------|--------------------------|-------|---------------------|--------|---|--------|--------------|--|-----|
| 1st | 2nd | 3rd | Average | L.O.A. (In ft./in.) | 33'1" | Dry Weight (lbs.) | 11,000 | Prop Material | nibral | P x D or Set | | |
| | | | #DIV/0! | Beam (In ft./in.) | 10'2" | Fuel Weight (lbs.) | 313 | Tested Boat Weight (Estimated / Verified) | | | | est |
| Acceleration MPH / K | | Time (Sec) | | Draft (In ft./in.) | | Water Weight (lbs.) | 0 | Tachometer Verified (Y / N) : | | | | Y |
| 0-10 | | | | Fuel Load (gal.) | 50 | Crew Weight (lbs.) | | Throttle opening checked (Y / N) : | | | | Y |
| 0-20 | | | | Fuel Cap. (gal.) | 105 | Gear Weight (lbs.) | | X - Dimension | | | | |
| 0-30 | | | | Water Load (gal.) | 0 | Other | 0 | Transom Angle | | | | |
| 0-40 | | | | Number of Crew | 4 | Test Weight (lbs.) | 11,313 | Location of Test | | | | |
| 0-50 | | | | Engine Room Measurements | | | | Feet above Sea Level | | | | |
| 0-60 | | | | Temperature: Front | P | | SB | Ambient Air Temperature | | | | |
| 0-Max | | | | Temperature: Rear | P | | SB | Barometer | | Water Temp. | | |
| TEST PERFORMED BY: | | | | Engine Inlet Temperature | P | | SB | Humidity | | Wind Speed | | |
| | | | | Exhaust Temperature | P | | SB | Type of Water | | | | |
| Speeds verified by Radar/GPS | | | | Exhaust Back Pressure | P | | SB | Sea Conditions | | | | |
| Radar | | GPS | X | Engine Room Depression | | SW Height | | | | | | |

Notes: Prop size should be reduced by one size to achieve proper engine loading and performance.

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