**NAV 03 – PILOT CARD**

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| **Vessel Particulars** | | | | | |
| **Vessel:** | PROPEL FORTUNE | | | **Call Sign:** | 9V7580 |
| **Displacement:** | 52471 | **DWT:** | 42837 | **Year Built:** | 2012 |
| **Length:** | 189.99 M | **Beam:** | 32.26 M | **Bulbous bow:** | NO |
| **Draught FWD:** | 9.72 M | **Draught AFT:** | 10.60 M | **Draught MID:** | 10.13 M |
| **Air Draught:** | 37.296 M | **Port Anchor Shackles\*:** | 12 | **Stbd Anchor Shackles\*:** | 11 |
| **Freeboard:** | 7.87 M |

\*1 shackle = 27.4m / 15 fathoms

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| **32.26 m**  **24.95 m**  **165.04 m**  **47.85 m**  37.3m |

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| **Main Engine** | | | | | | | | | | | | | | | | | | | | | | |
| **Type:** | **MITSUI MAN B&W 6S50MC-C** | | | | | | | | **Max Power: (KW)** | | | | 8450 KW | | | **Max Power: (HP)** | | | | | 11329.63 HP | |
| **Engine Power Limiting Device Fitted?** | | | | | | **Yes** | | | **EPL Max Power (KW):** | | | | 6333.32 KW | | | **EPL Max Power (HP)** | | | | | 8491.69 BHP | |
|  | | | | | | | **RPM / ~~Pitch~~:** | | | | | | **Loaded Speed (kts)** | | | | | **Ballast Speed (kts)** | | | | |
| **Full Ahead:** | | | | | | | 88 | | | | | | 11.1 | | | | | 11.9 | | | | |
| **Half Ahead:** | | | | | | | 78 | | | | | | 9.9 | | | | | 10.6 | | | | |
| **Slow Ahead:** | | | | | | | 58 | | | | | | 7.4 | | | | | 7.9 | | | | |
| **Dead Slow Ahead:** | | | | | | | 45 | | | | | | 5.6 | | | | | 6.1 | | | | |
| **Dead Slow Astern:** | | | | | | | 45 | | | | | |  | | | | | | | | | |
| **Slow Astern:** | | | | | | | 58 | | | | | |
| **Half Astern:** | | | | | | | 78 | | | | | |
| **Full Astern:** | | | | | | | 88 | | | | | |  | | | | | **60 % Full ahead power** | | | | |
| **Engine Critical RPM:** | | 62-74 | | | | | | **Maximum number of consecutive engine starts:** | | | | | | 12 | | **Time from full ahead to full astern**: | | | | | | 350 sec |
| **Time Limit Astern:** | | | | 30 | | | | | | | | | **Maximum Steering Speed:** | | | | | |  | | | |
| **Fuel Types** | | | | | | | | | | | | | | | | | | | | | | |
| **At Sea** | | | | | | | | | **Non ECA**: VLSFO | | | | | | | **ECA:** LSMGO | | | | | | |
| **In Port** | | | | | | | | | **Non ECA:** VLSFO | | | | | | | **ECA:** LSMGO | | | | | | |
| **Steering** | | | | | | | | | | | | | | | | | | | | | | |
| **Number of Propellers:** | | | 1 | | | | | | | **Direction of Turn:** | | RIGHT HAND | | | **Propeller Arrangement:** | | | | | CENTRE | | |
| **Time from hard over to hard over:** | | | | | 21 SEC | | | | | | **Rudder Angle for Neutral effects:** | | | | | | 0 | | | | | |
| **Thrusters (positions and power):** | | | | | NA | | | | | | **Steering characteristics / rudder type:** | | | | | | SEMI BALANCED | | | | | |

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| **Squat** | | | |
| **UKC (m)** | **Speed (kts)** | **Open Water** | **Narrow Channel** |
| 1.58 | 2 | 0.029 | 0.032 |
| 1.58 | 3 | 0.065 | 0.073 |
| 1.58 | 4 | 0.114 | 0.129 |
| 1.58 | 5 | 0.180 | 0.202 |
| 1.58 | 6 | 0.261 | 0.291 |
| 1.58 | 7 | 0.356 | 0.397 |
| 1.58 | 8 | 0.465 | 0.518 |
| 1.58 | 9 | 0.588 | 0.656 |
| 1.58 | 10 | 0.726 | 0.809 |
| 1.58 | 11 | 0.879 | 0.979 |
| 1.58 | 12 | 1.046 | 1.165 |
| 1.58 | 13 | 1.228 | 1.386 |
| 1.58 | 14 | 1.424 | 1.586 |

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| **Equipment / Operational Defects** |
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| **Other Important Details**  ***(e.g. ship windage area, position of the Automatic Identification System (AIS) antenna, safe working load (SWL) of bollards)*** |
| Location of AIS Antenna – Fwd (port) on the monkey Island  SWL of Bollards: -  Centre (fwd & aft) – 78t  Forward shoulder and quarter – 61t |

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| **Master Name:** | CAPT. ARUN KUMAR MANAYATH | **Master Signature::** |  |
| **Date:** | 02.10.2024 | **Time:** | 1330LT |