OIL ANALYSIS REPORT

DAVE HOLT PATRICK/502207-7250 VOLVO PENTA 3940020685 - STARBOARD IPS

Sample No: VPA062552

Oil Type: GEAR OIL SAE 75W90

| Sample Number | | VPA062552 | VPA0449974 | | |
|---------------|-----|-------------|-------------|---|--|
| Sample Date | | 21 May 2024 | 07 Jul 2023 | | Endor Marine LLC - Coa |
| Machine Hours | | 467 | 418 | | 4300 11th Ave. NW |
| Oil Hours | | 0 | 0 | | SEATTLE, WA |
| Oil Changed | | Changed | Changed | | US 98107 |
| Sample Status | | NORMAL | NORMAL | | Contact: WILLOW Y |
| Sample Status | _ | NORMAL | NORMAL | _ | service@coastalmar |
| OIL CONDITION | | | | | T: (206)784-3703 |
| Visc @ 40°C | cSt | 107 | 105 | | F: (206)784-8823 |
| CONTAMINATION | | | | | Diagnosis |
| Water | % | NEG | NEG | | Resample at the ne |
| Silicon | ppm | 9 | 9 | | to monitor.All com are normal. There is |
| Sodium | ppm | 0 | 0 | | any contamination |
| Potassium | ppm | 2 | <1 | | condition of the oil |
| WEAR METALS | | | | | the time in service. |
| PQ | | 21 | 15 | | |
| Iron | ppm | 13 | 26 | | |
| Copper | ppm | 3 | 4 | | |
| Lead | ppm | <1 | 0 | | |
| Tin | ppm | <1 | 0 | | |
| Aluminum | ppm | 2 | 1 | | |
| Chromium | ppm | ■<1 | 0 | | |
| Molybdenum | ppm | | 0 | | |
| Nickel | ppm | ■<1 | 0 | | |
| Titanium | ppm | <1 | 0 | | |
| Silver | ppm | <1 | 0 | | |
| Manganese | ppm | | □ <1 | | |
| Vanadium | ppm | <1 | 0 | | _ |
| ADDITIVES | | | | | |
| Calcium | ppm | 1 | 8 | | |
| Magnesium | ppm | 26 | 2 | | |
| Zinc | ppm | 4 | 5 | | |
| Phosphorus | ppm | 1326 | 1352 | | |
| Barium | ppm | 0 | 0 | | |
| Boron | ppm | 408 | 336 | | |

Marine - 152124 ARELLA engine.com

VOLVO PENTA

service interval nent wear rates o indication of the oil. The acceptable for

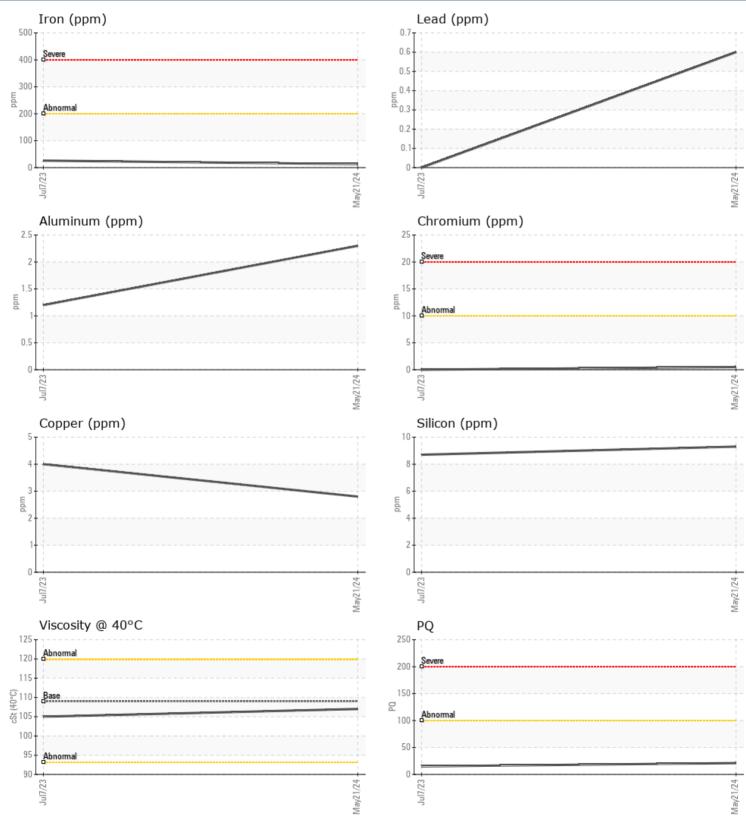
Depot: VP794951 Unique No: 11046290 Signed: Don Baldridge Report Date: 28 May 2024

Contact/Location: WILLOW YANARELLA - VP794951

OIL ANALYSIS REPORT



GRAPHS



Contact/Location: WILLOW YANARELLA - VP794951