



KEN SHARPLES VOLVO PENTA 3950003760 - PORT IPS

Sample No: VPA050611

Oil Type: GEAR OIL SAE 75W90

| Oil Hours 55 | | | | | |
|--|---------------|-------|---------------|------|--|
| Sample Date 14 Jul 2023 | SAMPLE INFORM | ATION | | | |
| Sample Date 14 Jul 2023 | Sample Number | | VPA050611 | | |
| Machine Hours 557 | | | | | |
| Not Changed Normal Norma | Machine Hours | | | | |
| NORMAL | Oil Hours | | 55 | | |
| NORMAL | Oil Changed | | Not Changd | | |
| OIL CONDITION Visc @ 40°C CSt 107.0 | | | | | |
| CONTAMINATION CONTAMINATION CONTAMINATION | | | | | |
| CONTAMINATION Silicon | OIL CONDITION | | | | |
| Silicon | Visc @ 40°C | cSt | 107.0 | | |
| Sodium | CONTAMINATION | | | | |
| Sodium | Silicon | ppm | 1 | | |
| Near METALS Near METALS | Sodium | | | | |
| WEAR METALS PQ 10 | | | _ | | |
| PQ | | le le | | | |
| Tron | WEAR METALS | | | | |
| Copper ppm 4 <td>PQ</td> <td></td> <td>10</td> <td> </td> <td></td> | PQ | | 10 | | |
| S | Iron | ppm | 18 | | |
| Tin ppm 0 Aluminum ppm <1 | Copper | ppm | 4 | | |
| Aluminum | Lead | ppm | 5 | | |
| Chromium ppm 0 Molybdenum ppm 0 Nickel ppm 0 Silver ppm 0 Manganese ppm 1 Vanadium ppm <1 | Tin | ppm | 0 | | |
| Molybdenum ppm | Aluminum | ppm | <1 | | |
| Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm 1 Vanadium ppm 4 ADDITIVES Magnesium ppm 34 Magnesium ppm 1 Phosphorus ppm 1341 Barium ppm 0 | Chromium | ppm | | | |
| Titanium ppm 0 Silver ppm 0 | - | ppm | ■<1 | | |
| Silver ppm 0 Manganese ppm 1 Vanadium ppm <1 ADDITIVES Calcium ppm 8 Magnesium ppm 34 Zinc ppm 1 Phosphorus ppm 1341 Barium ppm 0 | | ppm | ■ 0 | | |
| Manganese ppm 1 Vanadium ppm <1 | | ppm | | | |
| Vanadium ppm <1 | Silver | | | | |
| ADDITIVES Calcium ppm 8 Magnesium ppm 34 Zinc ppm 1 Phosphorus ppm 1341 Barium ppm 0 | _ | ppm | _ | | |
| Calcium ppm 8 Magnesium ppm 34 Zinc ppm 1 Phosphorus ppm 1341 Barium ppm 0 | Vanadium | ppm | <1 | | |
| Magnesium ppm 34 Zinc ppm 1 Phosphorus ppm 1341 Barium ppm 0 | ADDITIVES | | | | |
| Magnesium ppm 34 Zinc ppm 1 Phosphorus ppm 1341 Barium ppm 0 | Calcium | ppm | 8 | | |
| Zinc ppm 1 Phosphorus ppm 1341 Barium ppm 0 | Magnesium | | 34 | | |
| Phosphorus ppm 1341 Barium ppm 0 | Zinc | | 1 | | |
| Barium ppm 0 | Phosphorus | | 1341 | | |
| | Barium | | 0 | | |
| Boron ppm 302 | Boron | | ■302 | | |

Cogswell Marine & Motorsports, Inc

865 Stella Street CHULA VISTA, CA US 91911

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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:VP152133Unique No:10561738Signed:Doug BogartReport Date:17 Jul 2023

OIL ANALYSIS REPORT



