OIL ANALYSIS REPORT

BILL SHUFFETTS TOM VOLVO PENTA 5102136492 - PORT DIESEL ENGINE

Sample No: VPA051010

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

| Sample Number | | VPA051010 | | |
|------------------|---------------------|----------------|------|--|
| Sample Date | | 30 Jan 2024 | | |
| Machine Hours | | 139 | | |
| Oil Hours | | 0 | | |
| Oil Changed | | Not Changd | | |
| Sample Status | | NORMAL | | |
| OIL CONDITION | | | | |
| | | | | |
| Visc @ 100°C | cSt | 14.5 | | |
| Base Number (BN) | mg KOH/g | 8.5 | | |
| Oxidation (PA) | % | 69 | | |
| CONTAMINATION | | | | |
| Water | % | NEG | | |
| Soot % | % | 0.1 | | |
| Nitration (PA) | % | 51 | | |
| Sulfation (PA) | % | 55 | | |
| Glycol | % | NEG | | |
| Fuel | % | <1.0 | | |
| Silicon | ppm | 3 | | |
| Sodium | ppm | 4 | | |
| Potassium | ppm | 7 | | |
| | - - | | | |
| WEAR METALS | | | | |
| Iron | ppm | 1 3 | | |
| Copper | ppm | 8 | | |
| Lead | ppm | 1 | | |
| Tin | ppm | | | |
| Aluminum | ppm | 7 | | |
| Chromium | ppm | 1 | | |
| Molybdenum | ppm | ■ <1 | | |
| Nickel | ppm | 0 | | |
| Titanium | ppm | 0 | | |
| Silver | ppm | 0 | | |
| Manganese | ppm | <1 | | |
| Vanadium | ppm | 0 | | |
| ADDITIVES | | | | |
| | | = 1000 | | |
| Calcium | ppm | 1900 | | |
| Magnesium | ppm | 23 | | |
| Zinc | ppm | 1086 | | |
| Phosphorus | ppm | 899 | | |
| Barium | ppm | 0 | | |



ADMIRALTY MARINE 2775 KURTZ ST, STE 12 GAN DIEGO, CA JS 92110

Contact: Terry Albee TALBEE@ADMIRALTYMARINE.NET T: -

Diagnosis

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP151529

 Unique No:
 10860018

 Signed:
 Don Baldridge

 Report Date:
 05 Feb 2024

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170

ppm

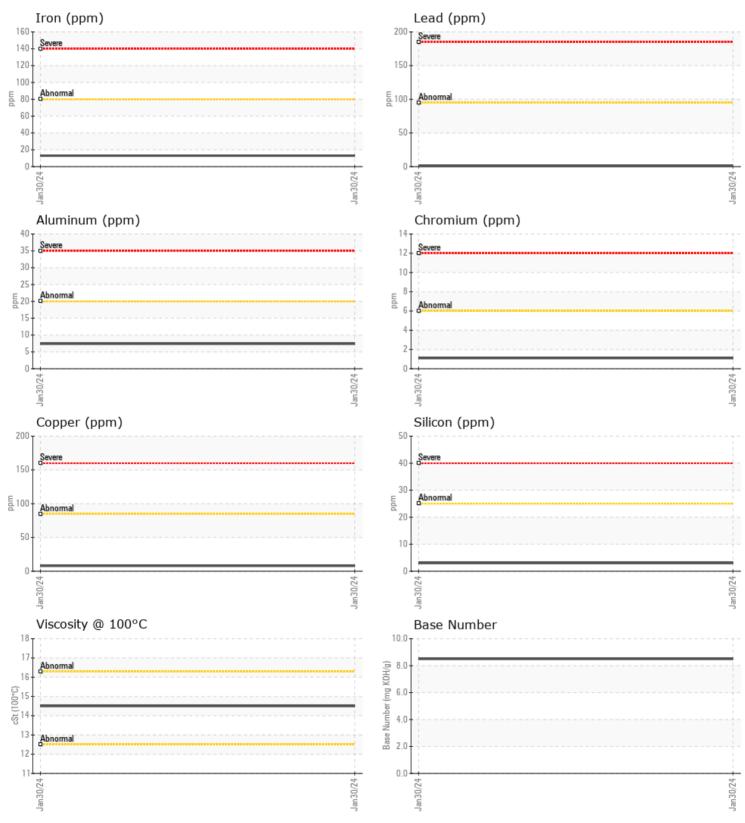
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Contact/Location: Terry Albee - VP151529

OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: Terry Albee - VP151529