OIL ANALYSIS REPORT

LONNIE MARON-TIARA VOLVO PENTA 2006006435 - PORT DIESEL ENGINE

VPA036734 Sample No:

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION VPA036734 VPA043414 Sample Number Larry`s Lighthouse Marina Sample Date 16 Jan 2024 02 Dec 2022 Machine Hours 1151 1117 **Oil Hours** 1151 1117 Oil Changed Changed Changed NORMAL Sample Status NORMAL **OIL CONDITION** Visc @ 100°C 14.1 14.3 cSt Base Number (BN) mg KOH/g 7.9 9.9 Oxidation (PA) % 59 44 CONTAMINATION Water % NEG NFG % Soot % 0.1 0.1 Nitration (PA) % 47 53 Sulfation (PA) % 52 45 Glycol % NEG NEG Fuel % <1.0 <1.0 Silicon 3 3 ppm Sodium 2 2 ppm Potassium 7 4 ppm WEAR METALS 14 Iron 5 ppm 1 3 Copper ppm Lead 5 ppm 2 Tin 0 | <1 ppm Aluminum 4 ppm 2 Chromium **|** <1 < 1 ppm Molybdenum 33 ppm 7 Nickel 0 <1 ppm Titanium ppm 0 0 Silver 0 0 ppm Manganese 0 🔲 < 1 ppm Vanadium ppm <1 <1 **ADDITIVES** 1519 Calcium 1865 ppm 884 Magnesium ppm 211 Zinc ppm 1209 1358 Phosphorus ppm 1011 1034 Barium 0 🔲 0 ppm Boron ppm 149 40

Depot: VP610438 Unique No: 10843053 Signed: Angela Borella **Report Date:** 23 Jan 2024

Report Id: VP610438 [WUSCAR] 06066376 (Generated: 01/23/2024 12:44:29) Rev: 1

AQUEBOGUE, NY US 11931 Contact: MAX FUHLBRUGGE info@lighthousemarina.com T: x: F: x:

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.



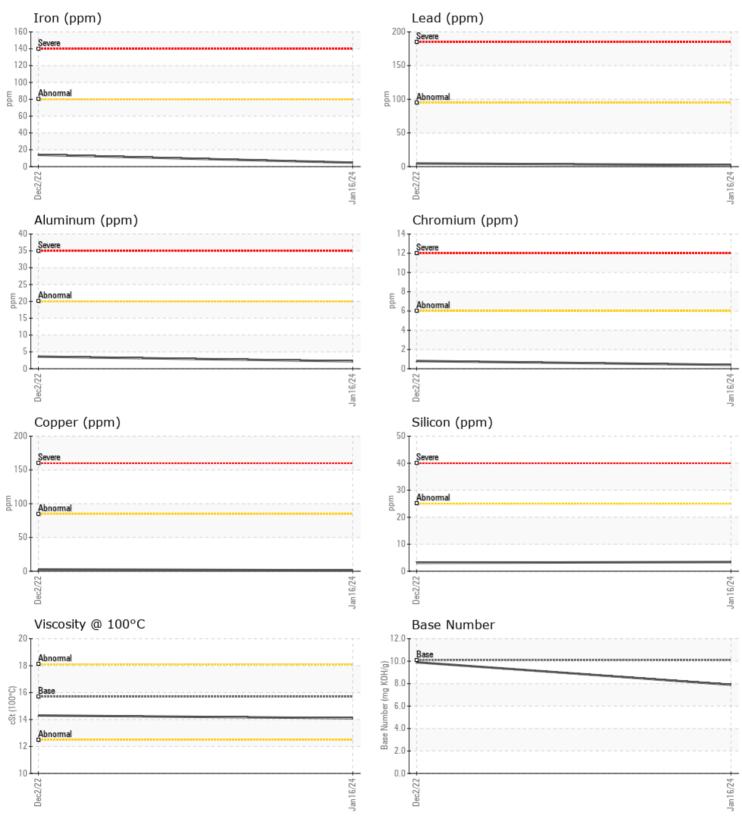
Contact/Location: MAX FUHLBRUGGE - VP610438

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OIL ANALYSIS REPORT



GRAPHS



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