OIL ANALYSIS REPORT

AUTO WORLD 354004 MAN 66029118012920 - PORT DIESEL ENGINE

Sample No: VPA052228

Oil Type: CHEVRON DELO 400 SYNTHETIC 5W40

SAMPLE INFORMATION VPA052228 Sample Number Sample Date 30 Jan 2024 Machine Hours 774 **Oil Hours** 64 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** T: F: 13.1 Visc @ 100°C cSt Base Number (BN) mg KOH/g 6.6 Oxidation (PA) % 166 CONTAMINATION % NEG Water % Soot % 0.2 Nitration (PA) % 61 % Sulfation (PA) 99 Glycol % NEG Fuel % <1.0 Silicon 4 ppm Sodium **||** <1 ppm Potassium 2 ppm WEAR METALS Iron 15 ppm 16 Copper ppm Lead ppm **||** < 1 Tin ■ <1 ppm Aluminum ppm 2 Chromium <1 ppm **40** Molybdenum ppm Nickel ■ <1 ppm Titanium ppm 0 🔲 Silver 0 ppm Manganese **||** <1 ppm Vanadium ppm 0 **ADDITIVES** Calcium 977 ppm Magnesium 823 ppm Zinc ppm 1194 Phosphorus ppm 1020 Barium 0 🔲 ppm Boron ppm 99 Depot:

Skipper Marine of Ohio, LLC

6801 E. Harbor Rd. MARBLEHEAD, OH US 43440 Contact: D LAKE dlake@skipperbuds.com T: E-

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.

 Signed:
 Don Baldridge

 Report Date:
 05 Feb 2024

Unique No:

Contact/Location: D LAKE - VP494046

VP494046

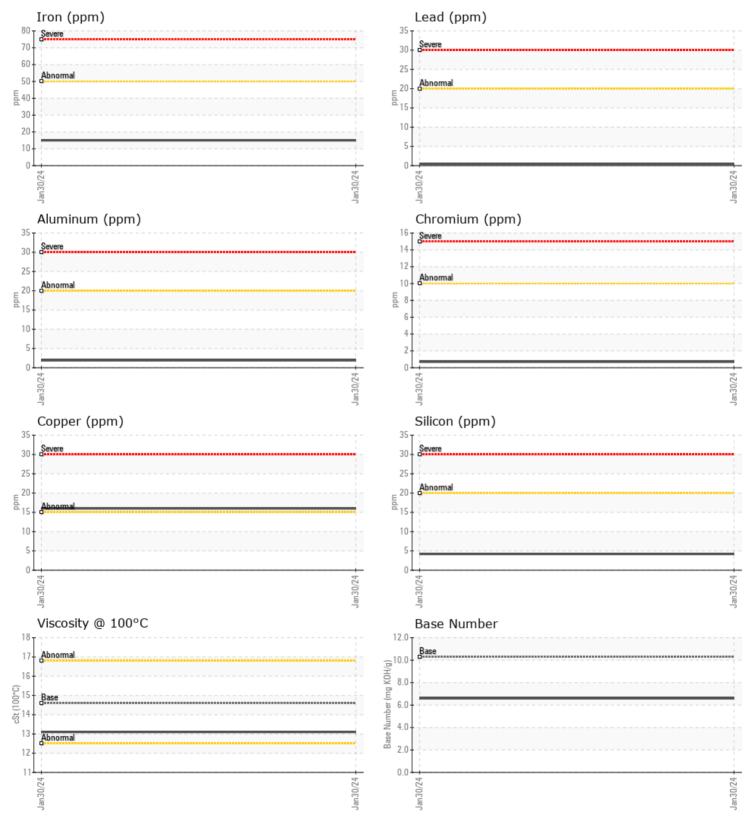
10860013

VOLVO PENTA

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP494046 [WUSCAR] 06077922 (Generated: 02/05/2024 10:30:09) Rev: 1

Contact/Location: D LAKE - VP494046