OIL ANALYSIS REPORT

MONICA SELL 41084 VOLVO PENTA A 1069027 - CENTER DIESEL ENGINE

Sample No: VPA042954

Oil Type: CHEVRON DELO 400 MULTIGRADE 15W40

SAMPLE INFORMATION VPA042954 Sample Number Sample Date 27 Sep 2022 Machine Hours 210 100 **Oil Hours** Oil Changed Changed NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 13.5 Base Number (BN) mg KOH/g 9.7 Oxidation (PA) % 52 CONTAMINATION % NEG Water % Soot % 0.1 Nitration (PA) % 62 % Sulfation (PA) 52 Glycol % NEG Fuel % <1.0 Silicon 6 ppm Sodium 2 ppm Potassium 2 ppm WEAR METALS Iron 9 ppm 7 Copper ppm Lead ppm 1 🗌 Tin ■ <1 ppm Aluminum ppm 8 Chromium <1 ppm **10** Molybdenum ppm Nickel 3 ppm Titanium ppm **||** <1 Silver ppm 0 Manganese ppm **||** <1 Vanadium ppm <1 **ADDITIVES** Calcium 1213 ppm Magnesium 694 ppm Zinc ppm 826 Phosphorus ppm 723 Barium 0 ppm 66 Boron ppm Depot: Unique No:

North Harbor Diesel Inc

720 30Th Street ANACORTES, WA US 98221 Contact: ROBBIN MURDOCK robbin@northharbordiesel.com T: (360)299-1904

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 suitable for further service.

Contact/Location: ROBBIN MURDOCK - VP179089

Signed:

Report Date:

VP179089

10162907

07 Oct 2022

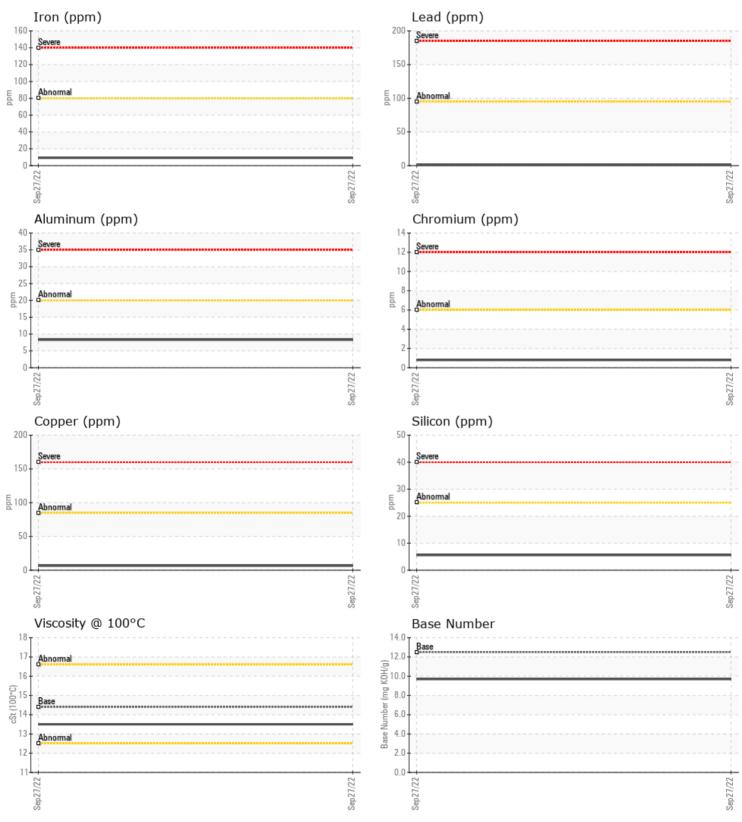
Jonathan Hester



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GRAPHS



Report Id: VP179089 [WUSCAR] 05658338 (Generated: 01/31/2024 15:03:46) Rev: 1

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