## **OIL ANALYSIS REPORT**

### VOLVO PENTA TAD 1371VE 2013827171 - VARIABLE SPEED - DIESEL ENGINE THE INDIANA RAILROAD CO 16413

VPA042728 Sample No:

**Oil Type: DIESEL ENGINE OIL SAE 15W40** 

### SAMPLE INFORMATION VPA042728 Sample Number 30 Jan 2024 Sample Date Machine Hours 17586 **Oil Hours** 0 US 60018 Oil Changed Not Changd ATTENTION Sample Status **OIL CONDITION** F: Visc @ 100°C **11.7** cSt Base Number (BN) mg KOH/g 7.5 Diagnosis Oxidation (PA) % 50 CONTAMINATION Water % NEG % Soot % 0.1 Nitration (PA) % 66 Sulfation (PA) % 52 Glycol % NEG in the oil. Fuel % **A** 3.3 Silicon 5 ppm Sodium 0 🔲 ppm Potassium 2 ppm WEAR METALS Iron ppm 5 **||** <1 Copper ppm Lead ppm 1 🗌 Tin ppm ■ <1 Aluminum ppm **|** <1 Chromium <1 ppm 14 Molybdenum ppm Nickel ■ <1 ppm Titanium 8 🔲 ppm Silver 0 ppm Manganese <1 ppm Vanadium ppm 0 **ADDITIVES** Calcium 1207 ppm **702** Magnesium ppm Zinc ppm 1216 Phosphorus ppm 891 Barium 0 ppm Boron ppm 93 Depot: Unique No:

## **CHARLES EQUIPMENT ACQUISITION LLC**

530 SANTA ROSA DR DES PLAINES, IL Contact: JON MOCK jon.mock@charlesequipment.com T: (630)816-0449

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Light fuel dilution occurring. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining

VP488880 10860865 Signed: Jonathan Hester **Report Date:** 06 Feb 2024

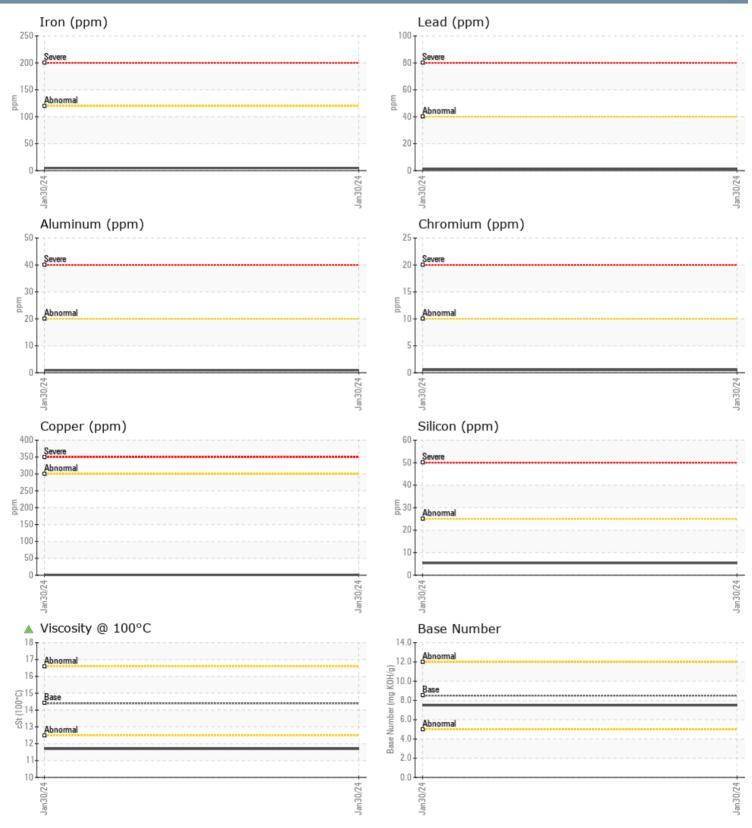
Contact/Location: JON MOCK - VP488880

# VOLVO PENTA

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### GRAPHS



Report Id: VP488880 [WUSCAR] 06078774 (Generated: 02/06/2024 13:15:30) Rev: 1

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