



CONSTRUCTION EQUIPMENT

11035PO Q INC VOLVO PENTA VP-303789 2016110393 - DIESEL ENGINE



Sample No: VCP418199
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 11035PO Q INC



SAMPLE INFORMATION

Sample Number	VCP418199	---	---	---
Sample Date	18 Jan 2024	---	---	---
Machine Hours	4974	---	---	---
Oil Hours	530	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.9	---	---	---
Base Number (BN)	mg KOH/g	█ 7.0	---	---	---
Oxidation (PA)	%	59	---	---	---

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.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	60	---	---	---
Sulfation (PA)	%	48	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	█ <1	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 52	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 8	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1819	---	---	---
Magnesium	ppm	█ 172	---	---	---
Zinc	ppm	█ 1058	---	---	---
Phosphorus	ppm	█ 880	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 67	---	---	---

Depot: VOLVO2990
Unique No: 10856545
Signed: Wes Davis
Report Date: 31 Jan 2024

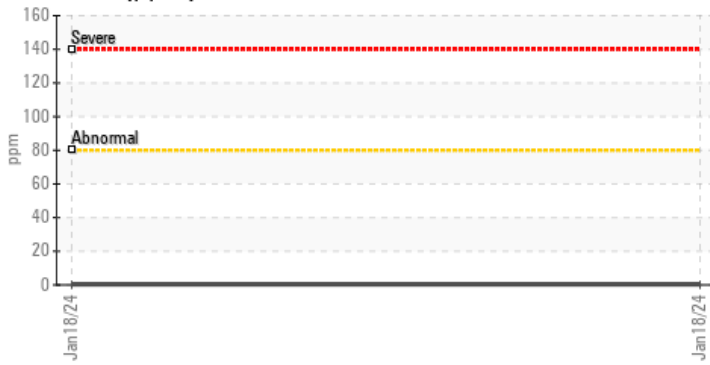


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GRAPHS

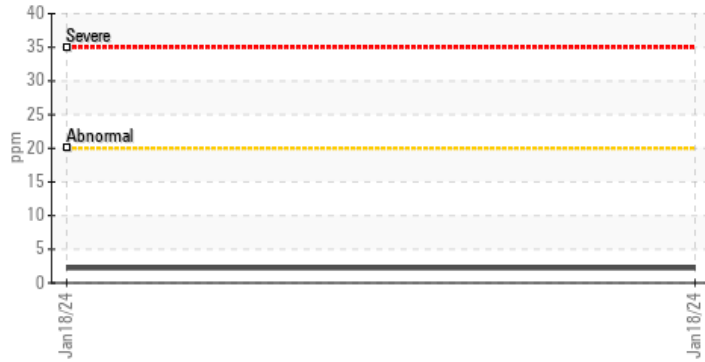
Iron (ppm)



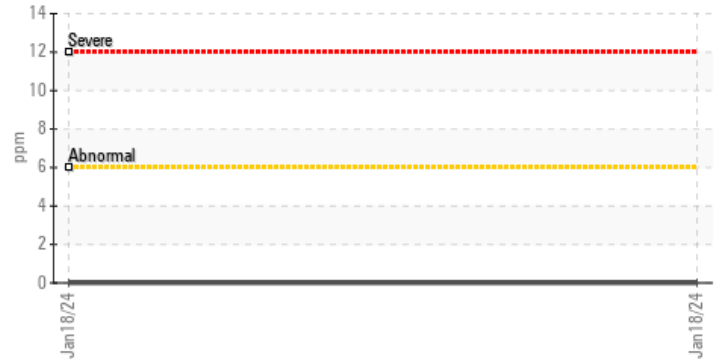
Lead (ppm)



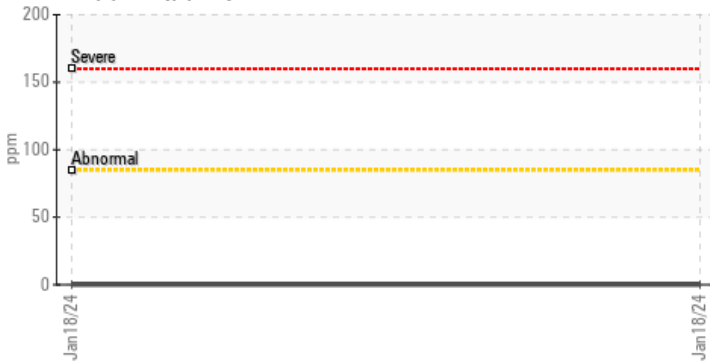
Aluminum (ppm)



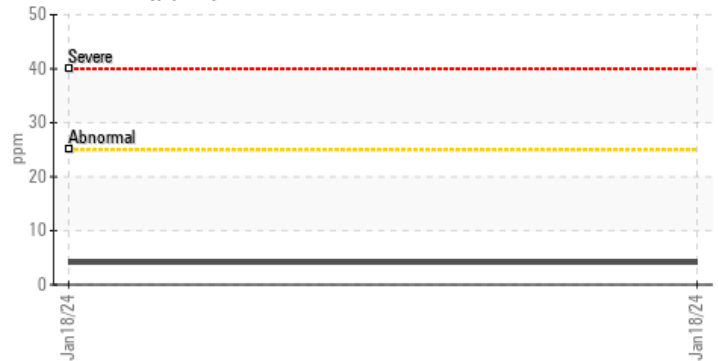
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

