



CONSTRUCTION EQUIPMENT

SPM700166 RENTALS VOLVO L70H 624047 - DIESEL ENGINE



Sample No: VCP425254
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM700166 RENTALS



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SAMPLE INFORMATION

Sample Number	VCP425254	VCP425303	---	---
Sample Date	03 Apr 2024	19 Oct 2023	---	---
Machine Hours	2822	1920	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	█ 13.1	---	---
Base Number (BN)	mg KOH/g	█ 8.9	█ 10.0	---	---
Oxidation (PA)	%	65	84	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.3	█ 0.3	---	---
Nitration (PA)	%	68	69	---	---
Sulfation (PA)	%	53	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 10	---	---
Sodium	ppm	█ <1	█ 3	---	---
Potassium	ppm	█ 0	█ 2	---	---



WEAR METALS

Iron	ppm	█ 18	█ 48	---	---
Copper	ppm	█ 4	█ 3	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 1	█ 2	---	---
Aluminum	ppm	█ 10	▲ 35	---	---
Chromium	ppm	█ 1	█ 3	---	---
Molybdenum	ppm	█ 57	█ 42	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	█ 1194	█ 1535	---	---
Magnesium	ppm	█ 967	█ 549	---	---
Zinc	ppm	█ 1221	█ 1145	---	---
Phosphorus	ppm	█ 1061	█ 967	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ 33	---	---

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.

Depot: VOLVO8885
Unique No: 10989306
Signed: Wes Davis
Report Date: 22 Apr 2024

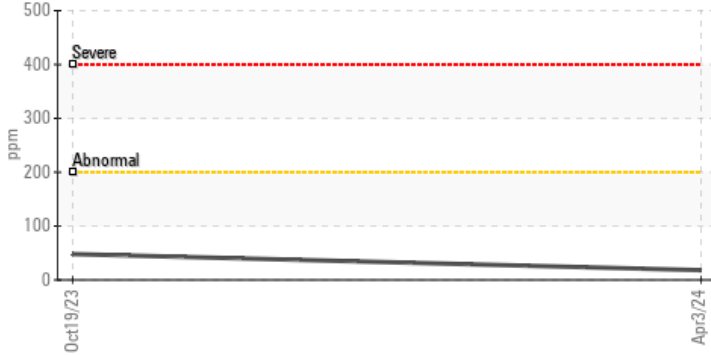


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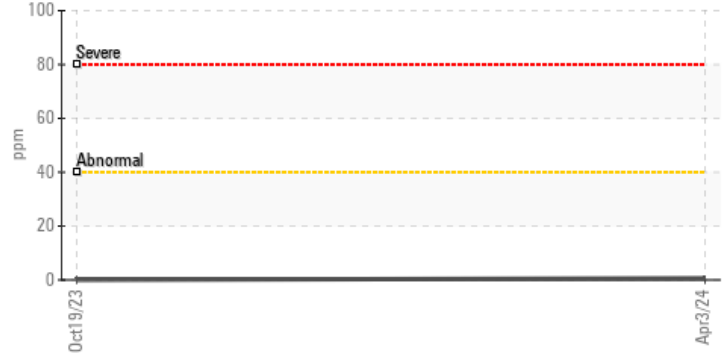


GRAPHS

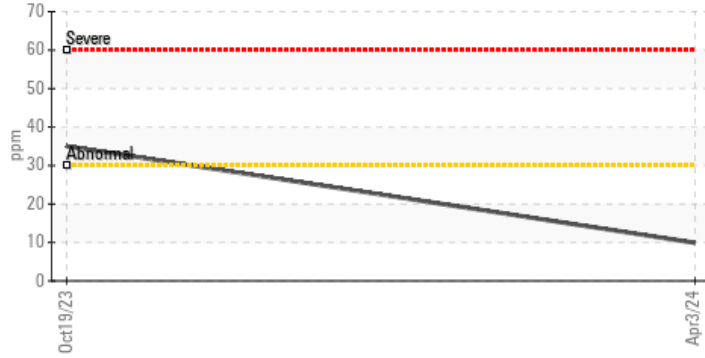
Iron (ppm)



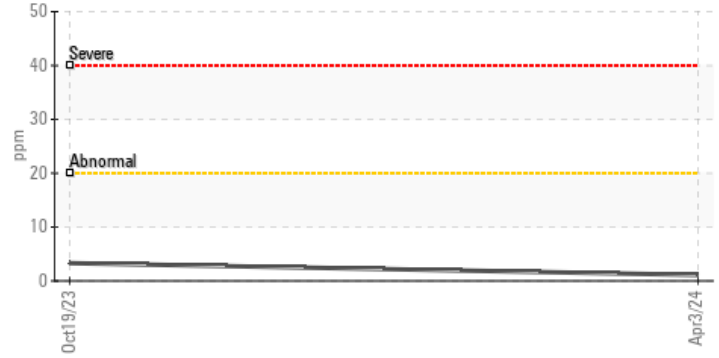
Lead (ppm)



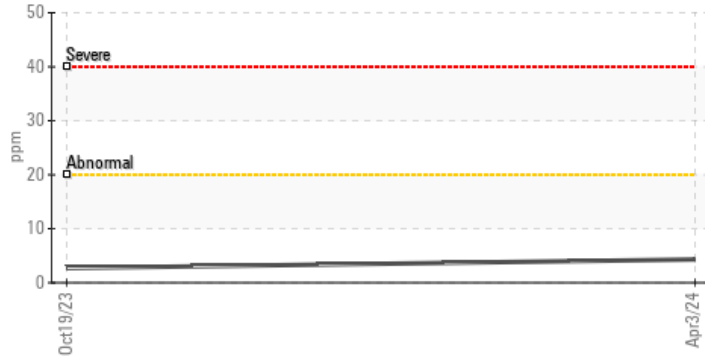
Aluminum (ppm)



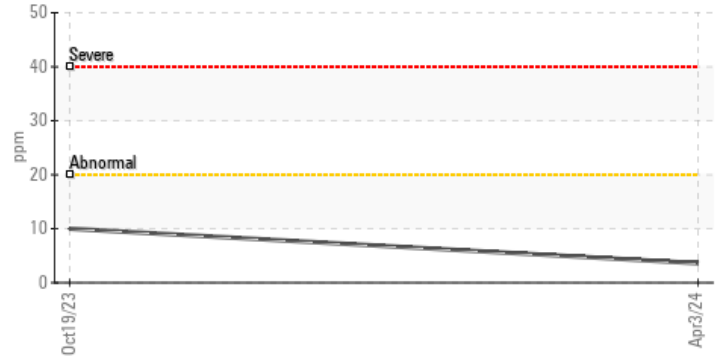
Chromium (ppm)



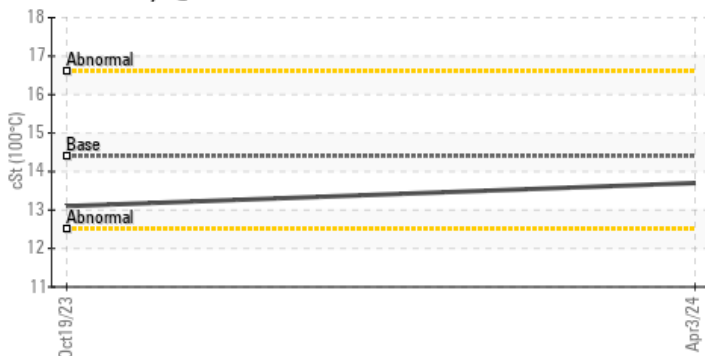
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

