



CONSTRUCTION EQUIPMENT

529307 WM VOLVO L70G 614364 - DIESEL ENGINE



Sample No: VCP446442
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 529307 WM



SAMPLE INFORMATION

Sample Number	VCP446442	VCP439232	---	---
Sample Date	05 Apr 2024	24 Feb 2024	---	---
Machine Hours	17604	17333	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	█ 14.3	---	---
Base Number (BN)	mg KOH/g	█ 10.5	█ 8.5	---	---
Oxidation (PA)	%	80	57	---	---

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	NEG	---	---
Soot %	%	█ 0.1	█ 0.2	---	---
Nitration (PA)	%	53	58	---	---
Sulfation (PA)	%	60	50	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 8	█ 11	---	---
Sodium	ppm	█ 1	█ 2	---	---
Potassium	ppm	█ <1	█ 3	---	---



WEAR METALS

Iron	ppm	█ 9	█ 18	---	---
Copper	ppm	█ <1	█ 1	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ 1	---	---
Aluminum	ppm	█ 3	█ 13	---	---
Chromium	ppm	█ <1	█ 2	---	---
Molybdenum	ppm	█ 41	█ 66	---	---
Nickel	ppm	█ 0	█ 1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 1	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	█ 1795	█ 1038	---	---
Magnesium	ppm	█ 574	█ 911	---	---
Zinc	ppm	█ 1217	█ 1186	---	---
Phosphorus	ppm	█ 1002	█ 908	---	---
Barium	ppm	█ 0	█ 1	---	---
Boron	ppm	█ 33	█ 3	---	---

Depot: VOLVO0096
Unique No: 10968746
Signed: Wes Davis
Report Date: 11 Apr 2024

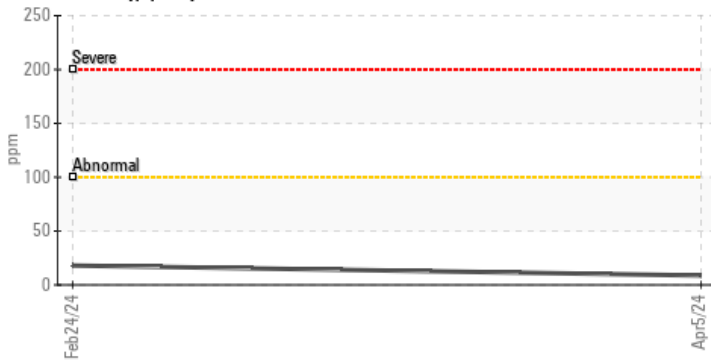


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GRAPHS

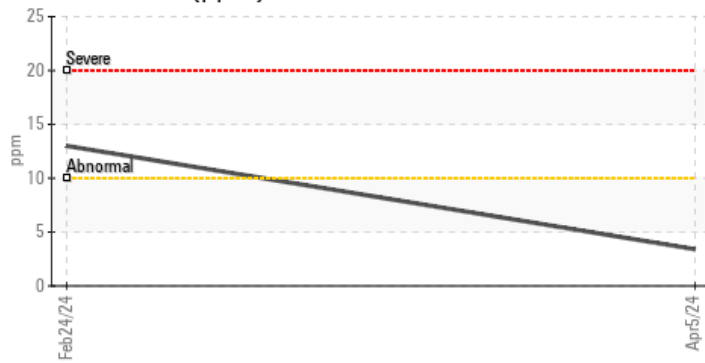
Iron (ppm)



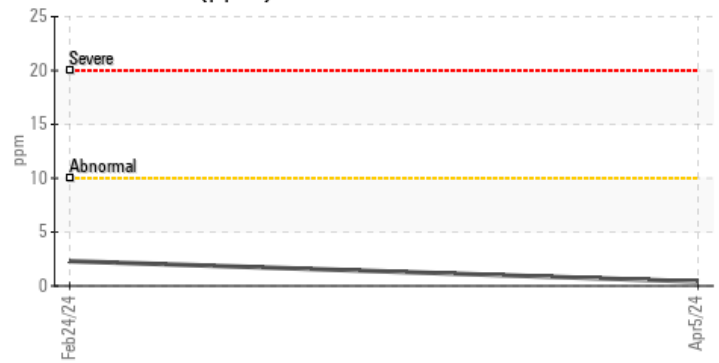
Lead (ppm)



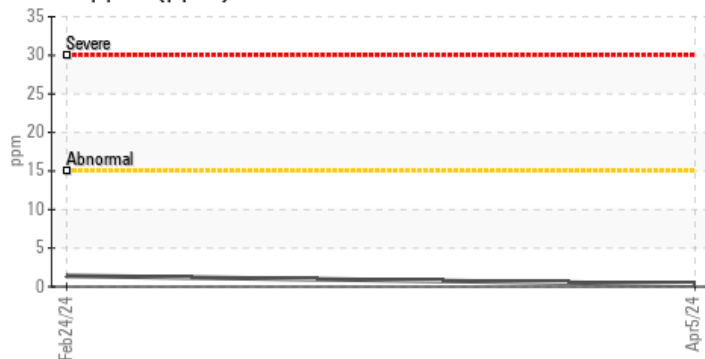
Aluminum (ppm)



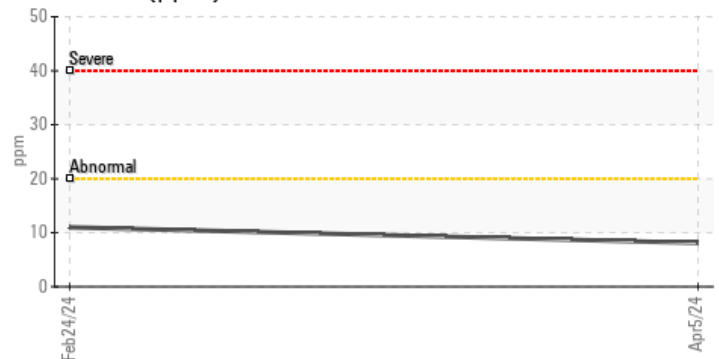
Chromium (ppm)



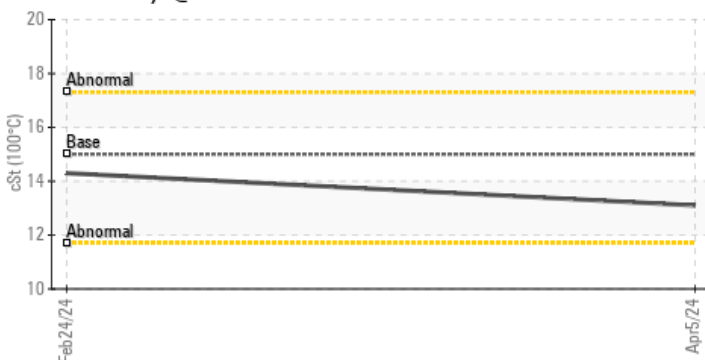
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

