



CONSTRUCTION EQUIPMENT

702821 ALTA RENTS VOLVO L90H 626583 - DIESEL ENGINE



Sample No: VCP454751
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 702821 ALTA RENTS



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SAMPLE INFORMATION

Sample Number	VCP454751	---	---	---
Sample Date	23 Apr 2024	---	---	---
Machine Hours	1279	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 8.9	---	---	---
Oxidation (PA)	%	81	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 34	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	▲ 11	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 52	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1642	---	---	---
Magnesium	ppm	█ 558	---	---	---
Zinc	ppm	█ 1180	---	---	---
Phosphorus	ppm	█ 987	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 52	---	---	---

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The aluminum level is abnormal. All other 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: VOLVO0096
Unique No: 10996681
Signed: Sean Felton
Report Date: 29 Apr 2024

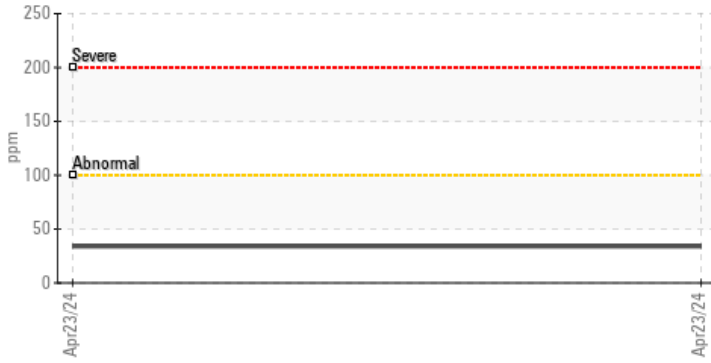


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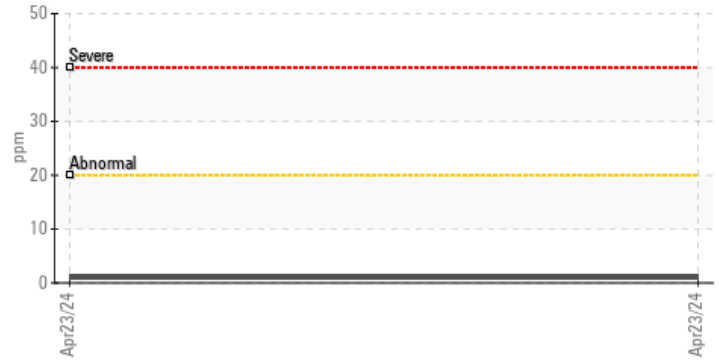


GRAPHS

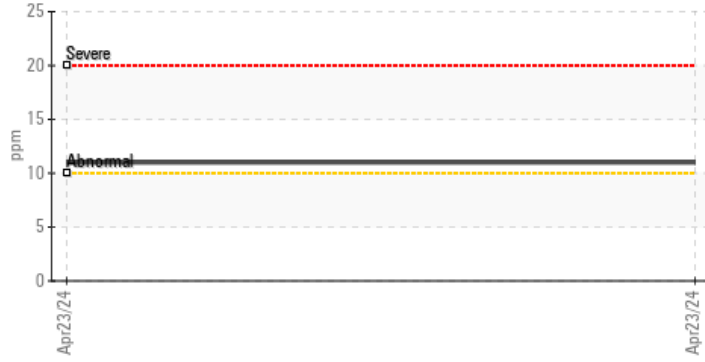
Iron (ppm)



Lead (ppm)



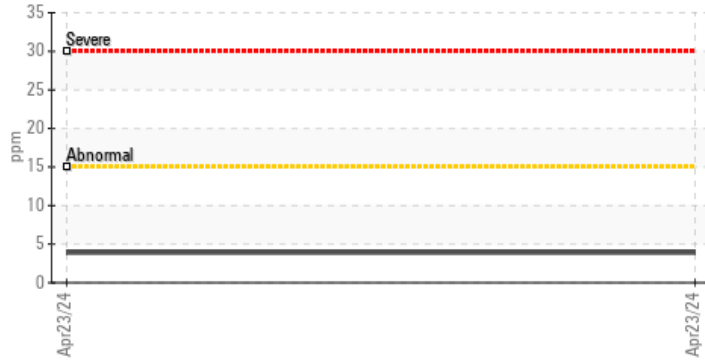
Aluminum (ppm)



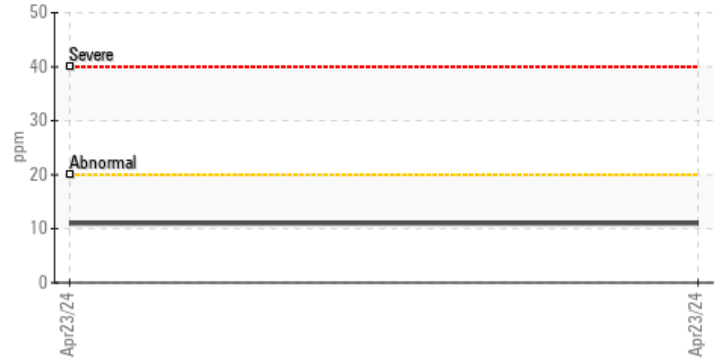
Chromium (ppm)



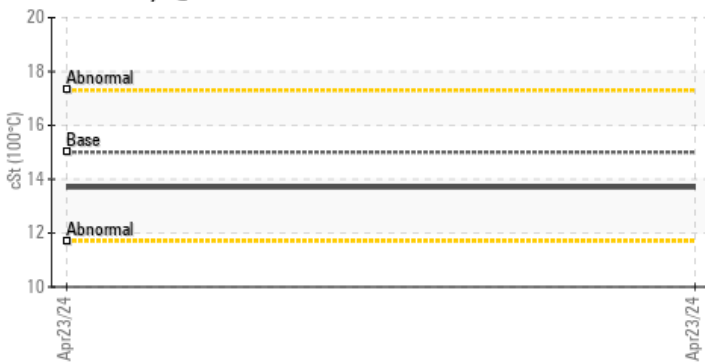
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

