



CONSTRUCTION EQUIPMENT

715549 WEISS CONST VOLVO L110H 631415 - DIESEL ENGINE



Sample No: VCP452753
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 715549 WEISS CONST



SAMPLE INFORMATION

Sample Number	VCP452753	---	---	---
Sample Date	20 May 2024	---	---	---
Machine Hours	2493	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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NEW HUDSON, MI
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 6.9	---	---	---
Oxidation (PA)	%	71	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	86	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 34	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	▲ 20	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 57	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 1	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1213	---	---	---
Magnesium	ppm	█ 869	---	---	---
Zinc	ppm	█ 1201	---	---	---
Phosphorus	ppm	█ 933	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 16	---	---	---

Depot: VOLVO2990
Unique No: 11048579
Signed: Sean Felton
Report Date: 30 May 2024

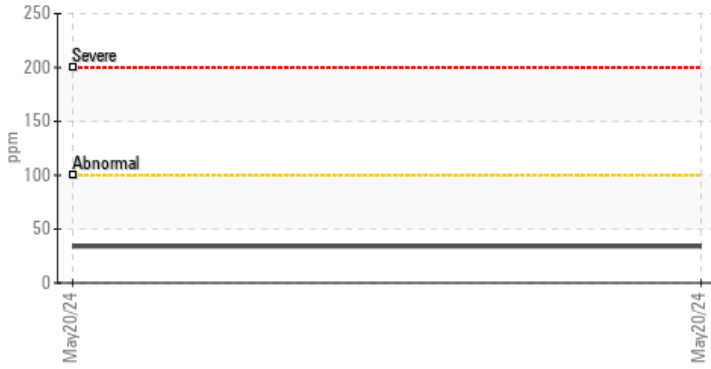


CONSTRUCTION EQUIPMENT



GRAPHS

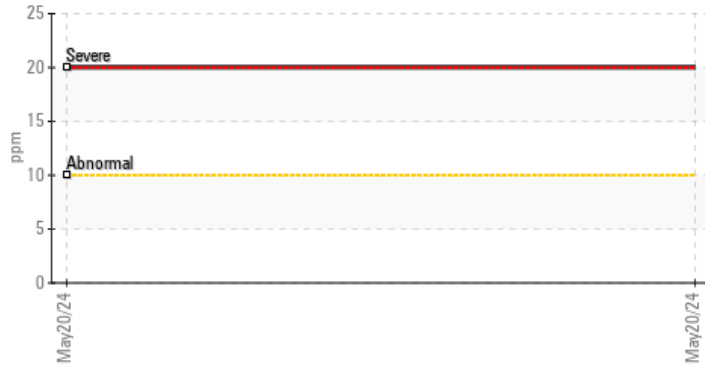
Iron (ppm)



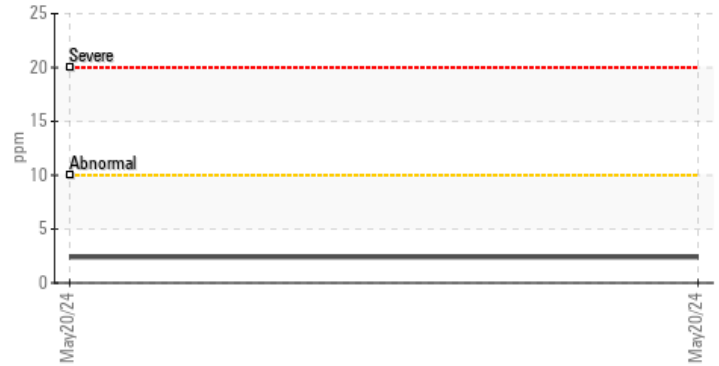
Lead (ppm)



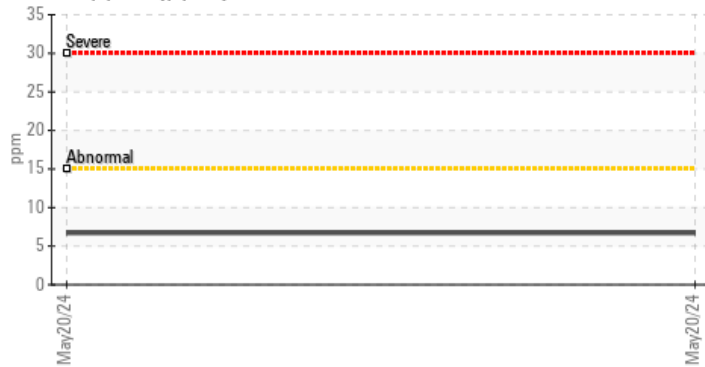
Aluminum (ppm)



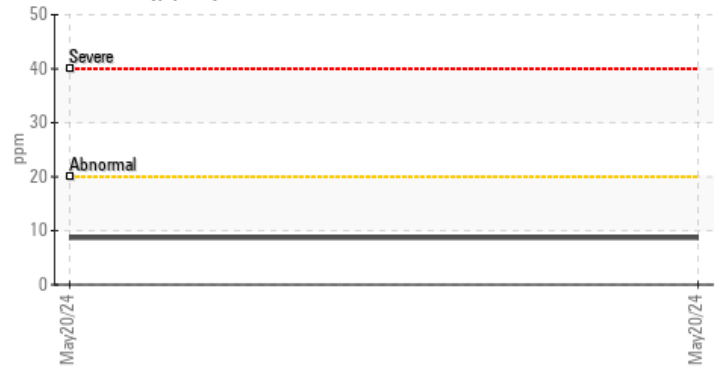
Chromium (ppm)



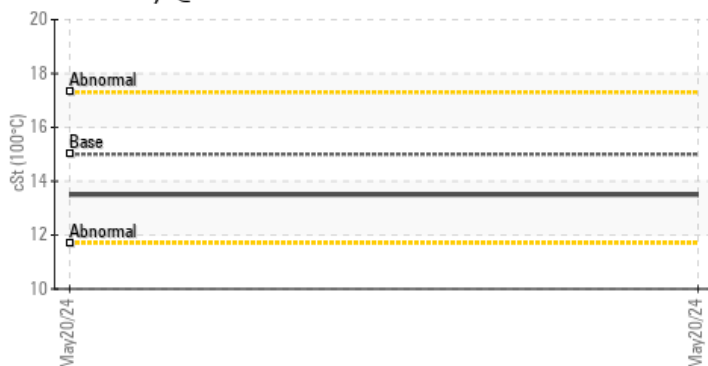
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

