



CONSTRUCTION EQUIPMENT

SPM717217 WM VOLVO L30G 3224749 - DIESEL ENGINE



Sample No: VCP450740

Oil Type: DIESEL ENGINE OIL SAE 15W40

Job No: SPM717217 WM



SAMPLE INFORMATION

Sample Number	VCP450740	VCP429790	---	---
Sample Date	11 Jun 2024	10 Nov 2023	---	---
Machine Hours	485	225	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ATTENTION	ATTENTION	---	---



ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: MARK DEROSA
 mark.derosa@altg.com
 T: (248)356-5200
 F:



OIL CONDITION

Visc @ 100°C	cSt	● 11.8	● 10.2	---	---
Base Number (BN)	mg KOH/g	■ 7.4	■ 9.6	---	---
Oxidation (PA)	%	112	84	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	■ 0.1	■ 0	---	---
Nitration (PA)	%	116	72	---	---
Sulfation (PA)	%	69	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	■ 0.3	---	---
Silicon	ppm	■ 23	■ 18	---	---
Sodium	ppm	■ 3	■ 0	---	---
Potassium	ppm	■ 3	■ 3	---	---



WEAR METALS

Iron	ppm	■ 28	■ 11	---	---
Copper	ppm	■ 21	■ 14	---	---
Lead	ppm	■ <1	■ 0	---	---
Tin	ppm	■ <1	■ 0	---	---
Aluminum	ppm	■ 4	■ 2	---	---
Chromium	ppm	■ 2	■ <1	---	---
Molybdenum	ppm	■ 41	■ 37	---	---
Nickel	ppm	■ <1	■ 0	---	---
Titanium	ppm	■ <1	■ <1	---	---
Silver	ppm	■ 0	■ 0	---	---
Manganese	ppm	■ 4	■ 3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 1997	■ 1768	---	---
Magnesium	ppm	■ 497	■ 405	---	---
Zinc	ppm	■ 1139	■ 980	---	---
Phosphorus	ppm	■ 890	■ 827	---	---
Barium	ppm	■ 3	■ 0	---	---
Boron	ppm	■ 37	■ 46	---	---

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. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot: VOLVO8885
Unique No: 11089397
Signed: Sean Felton
Report Date: 24 Jun 2024

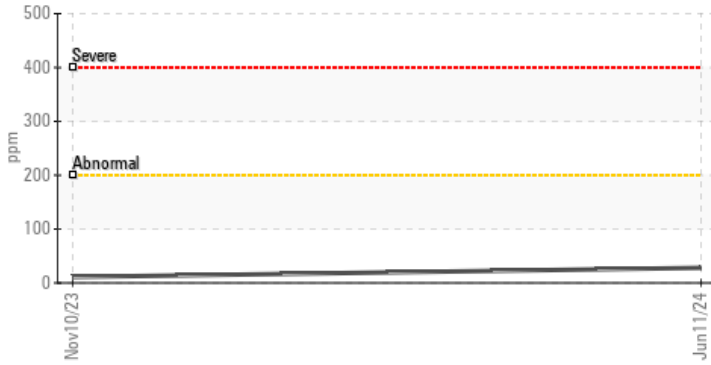


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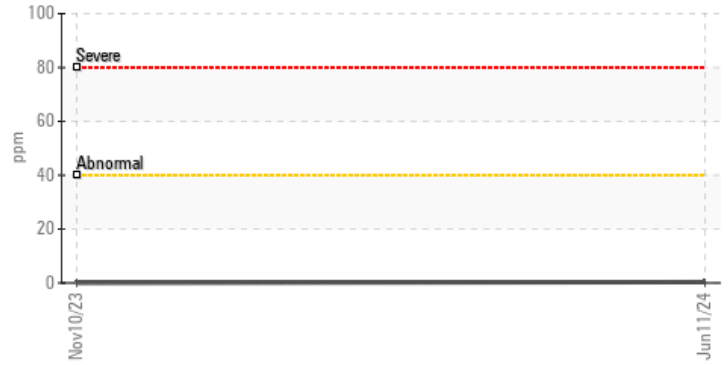


GRAPHS

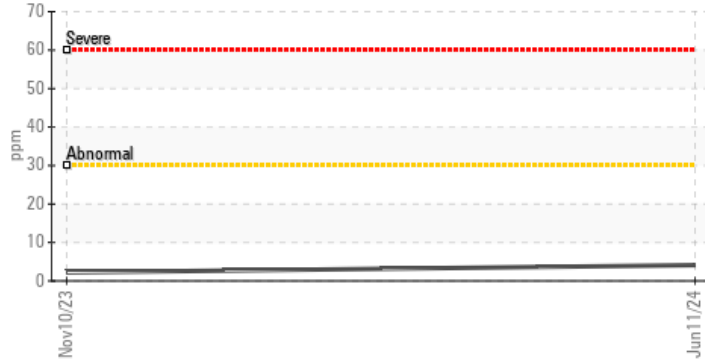
Iron (ppm)



Lead (ppm)



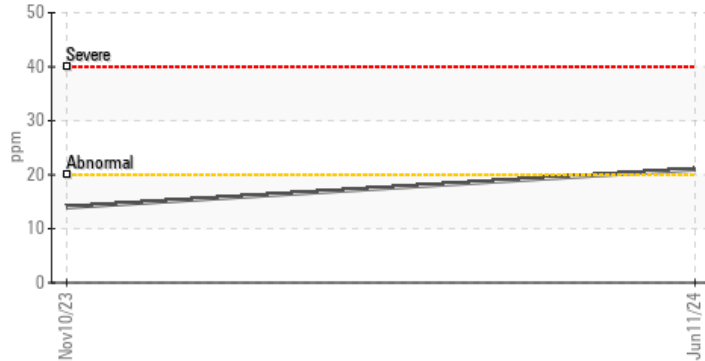
Aluminum (ppm)



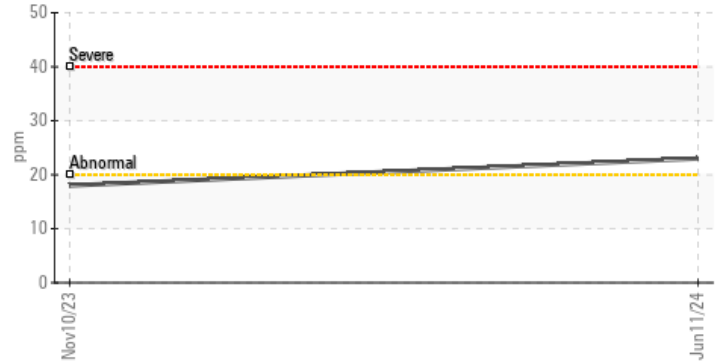
Chromium (ppm)



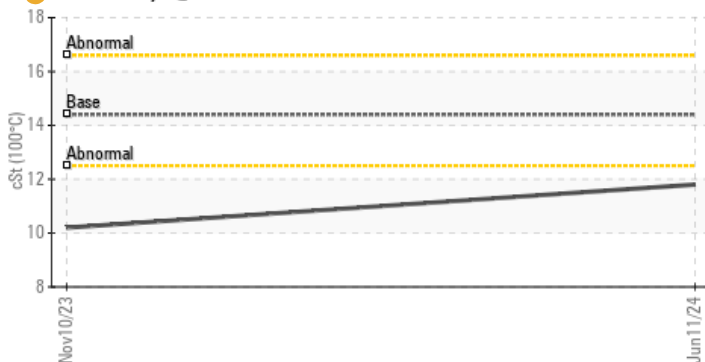
Copper (ppm)



Silicon (ppm)



● Viscosity @ 100°C



Base Number

