



CONSTRUCTION EQUIPMENT

232907 VOLVO L110H 631506 - DIESEL ENGINE



Sample No: VCP398229
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 232907



SAMPLE INFORMATION

Sample Number	VCP398229	---	---	---
Sample Date	12 Jul 2023	---	---	---
Machine Hours	7591	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
 Contact: DILLON BURNS
 dillon.burns@altg.com
 T:
 F: (248)356-2029



OIL CONDITION

Visc @ 100°C	cSt	█ 14.3	---	---	---
Base Number (BN)	mg KOH/g	█ 7.3	---	---	---
Oxidation (PA)	%	79	---	---	---



CONTAMINATION

Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	88	---	---	---
Sulfation (PA)	%	65	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 4	---	---	---

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.



WEAR METALS

Iron	ppm	█ 34	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ 16	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 10	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 30	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1572	---	---	---
Magnesium	ppm	█ 812	---	---	---
Zinc	ppm	█ 966	---	---	---
Phosphorus	ppm	█ 802	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 67	---	---	---

Depot: VOLVO2990
Unique No: 10559750
Signed: Wes Davis
Report Date: 16 Jul 2023

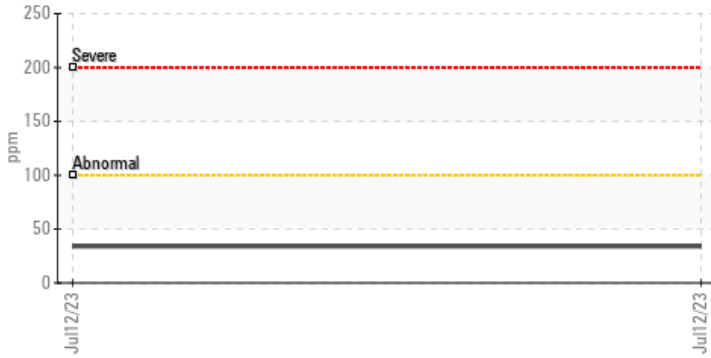


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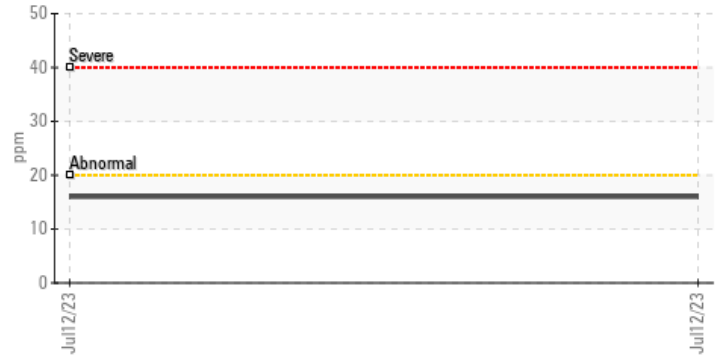


GRAPHS

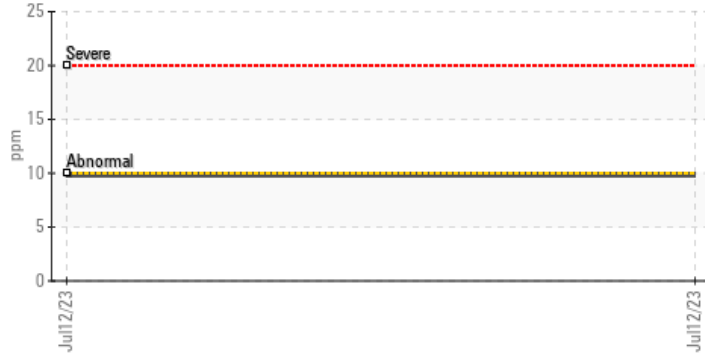
Iron (ppm)



Lead (ppm)



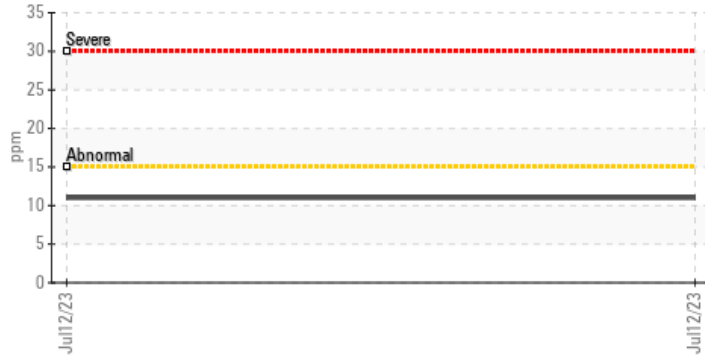
Aluminum (ppm)



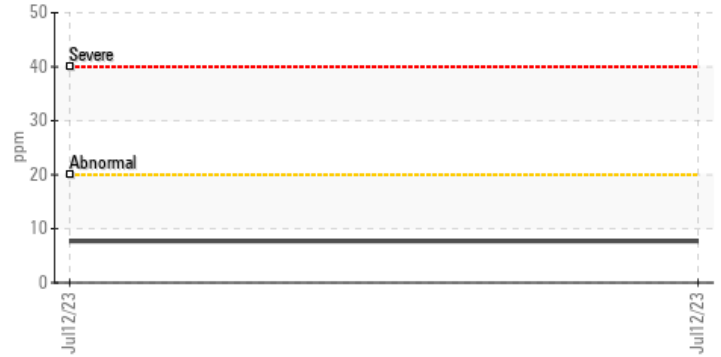
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

