



CONSTRUCTION EQUIPMENT

8000395476 VOLVO L110H 632150 - DIESEL ENGINE



Sample No: VCP394290
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 8000395476



SAMPLE INFORMATION

Sample Number	VCP394290	---	---	---
Sample Date	21 Feb 2024	---	---	---
Machine Hours	1017	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIP (AB)

6 - 38403 BURNT LAKE TRAIL
 RED DEER COUNTY, AB
 CA T4S 2L4
 Contact: Perry Doyle
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 T: (403)391-3520
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	---	---	---
Oxidation (PA)	%	█ 86	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	█ 78	---	---	---
Sulfation (PA)	%	█ 65	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 14	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 3	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Aluminum ppm levels are abnormal. Piston wear is indicated. Component wear metal level(s) high for break in. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

Iron	ppm	█ 49	---	---	---
Copper	ppm	█ 18	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	▲ 68	---	---	---
Chromium	ppm	█ 5	---	---	---
Molybdenum	ppm	█ 39	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1584	---	---	---
Magnesium	ppm	█ 598	---	---	---
Zinc	ppm	█ 1061	---	---	---
Phosphorus	ppm	█ 932	---	---	---
Barium	ppm	█ 6	---	---	---
Boron	ppm	█ 52	---	---	---

Depot: VOLVO9652
Unique No: 5734701
Signed: Kevin Marson
Report Date: 23 Feb 2024

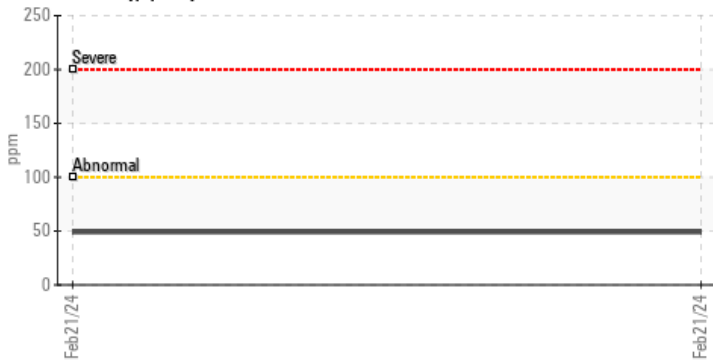


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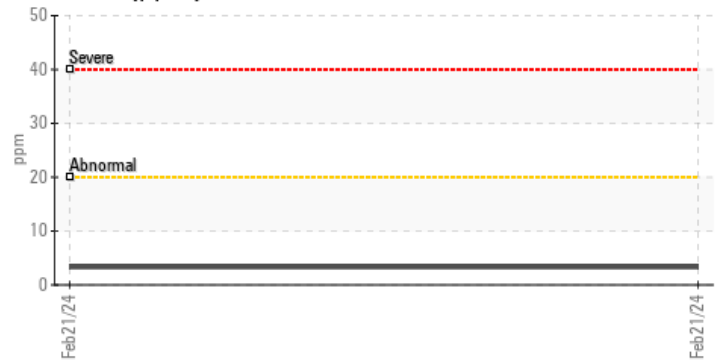


GRAPHS

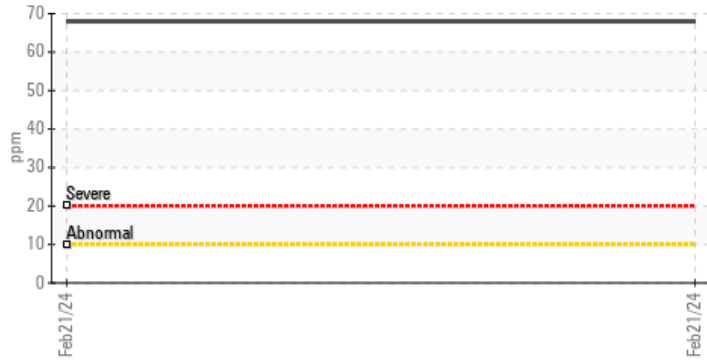
Iron (ppm)



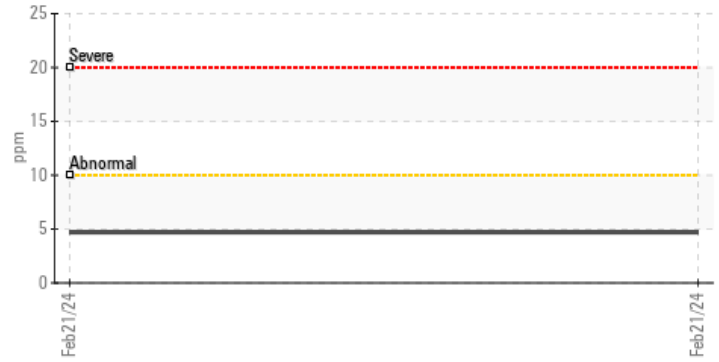
Lead (ppm)



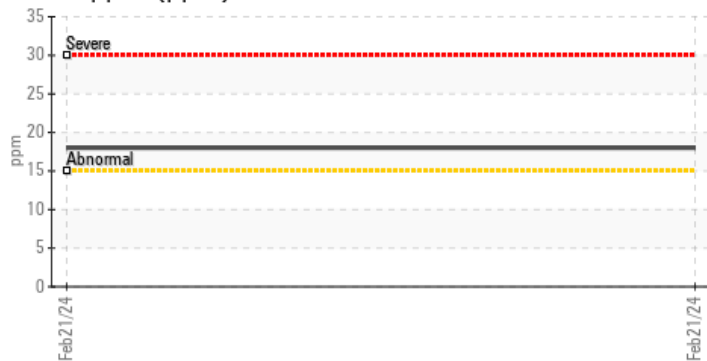
Aluminum (ppm)



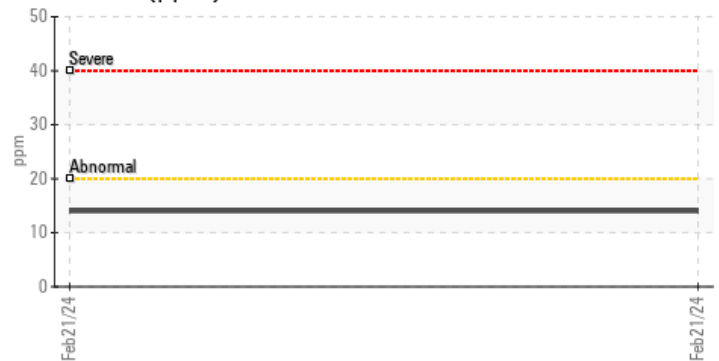
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Soot %

