



CONSTRUCTION EQUIPMENT

IMPORT AUTO VOLVO EC220E 310953 - REAR LEFT FINAL DRIVE



Sample No: VCP437841
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: IMPORT AUTO



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SAMPLE INFORMATION

Sample Number	VCP437841	VCP337045	---	---
Sample Date	26 Feb 2024	20 Jul 2021	---	---
Machine Hours	3107	1253	---	---
Oil Hours	0	1253	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 294	█ 191	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 27	█ 49	---	---
Sodium	ppm	█ 0	█ <1	---	---
Potassium	ppm	█ <1	█ 2	---	---



WEAR METALS

Iron	ppm	█ 287	▲ 533	---	---
Copper	ppm	█ 0	█ <1	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 2	█ 5	---	---
Chromium	ppm	█ 2	█ 7	---	---
Molybdenum	ppm	█ 2	█ <1	---	---
Nickel	ppm	█ 0	█ 1	---	---
Titanium	ppm	█ <1	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 3	█ 6	---	---
Vanadium	ppm	█ 0	█ 0	---	---



ADDITIVES

Calcium	ppm	█ 133	█ 26	---	---
Magnesium	ppm	█ 35	█ 0	---	---
Zinc	ppm	█ 87	█ 5	---	---
Phosphorus	ppm	█ 1005	█ 203	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 119	█ 9	---	---

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 condition of the oil is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 10996161
Signed: Wes Davis
Report Date: 26 Apr 2024

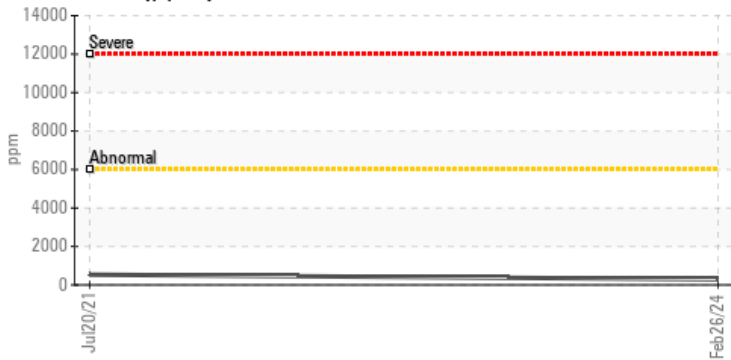


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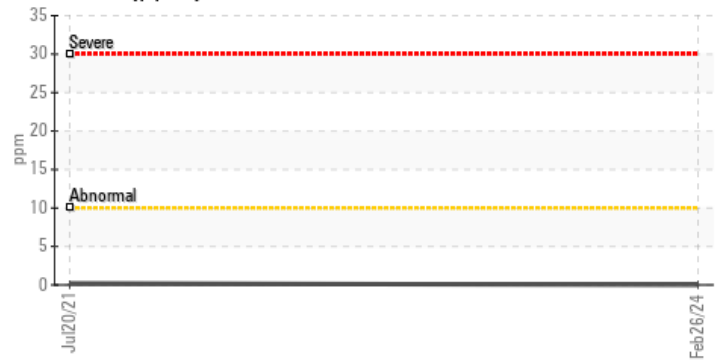


GRAPHS

Iron (ppm)



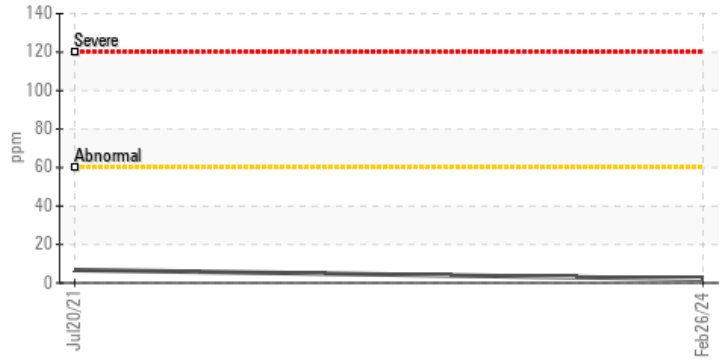
Lead (ppm)



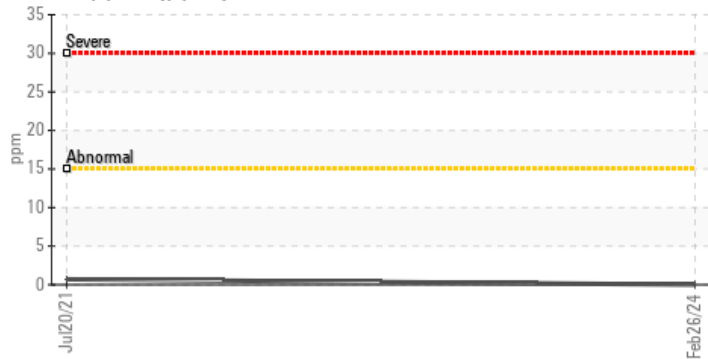
Aluminum (ppm)



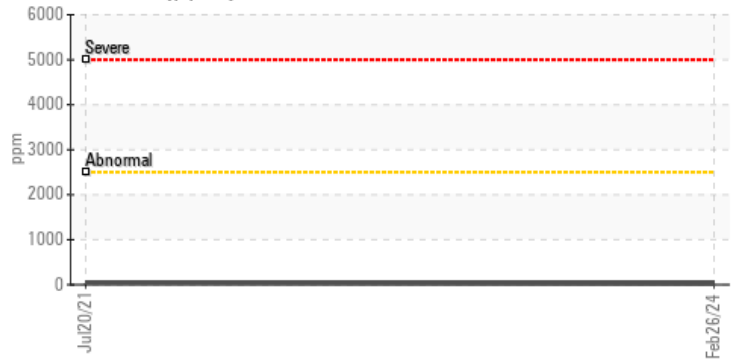
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

