



CONSTRUCTION EQUIPMENT

703566 HERC VOLVO EC220 310686 - REAR RIGHT FINAL DRIVE



Sample No: VCP449526
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 703566 HERC



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SAMPLE INFORMATION

Sample Number	VCP449526	---	---	---
Sample Date	30 Apr 2024	---	---	---
Machine Hours	643	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 156	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 45	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 6	---	---	---



WEAR METALS

Iron	ppm	█ 426	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 5	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 99	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 43	---	---	---
Phosphorus	ppm	█ 463	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 24	---	---	---

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: VOLVO0096
Unique No: 11009483
Signed: Don Baldrige
Report Date: 07 May 2024

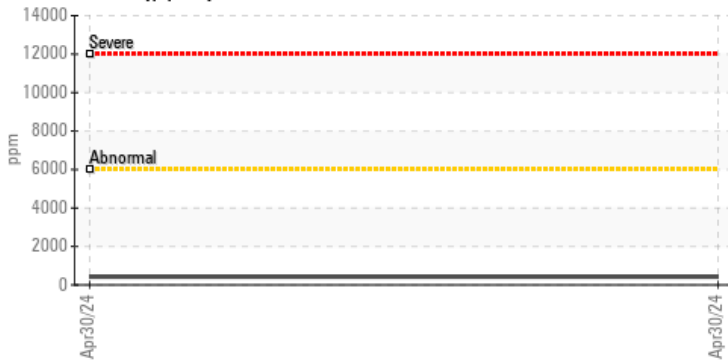


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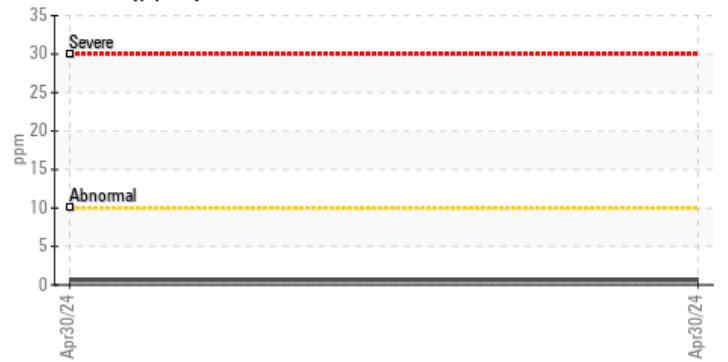


GRAPHS

Iron (ppm)



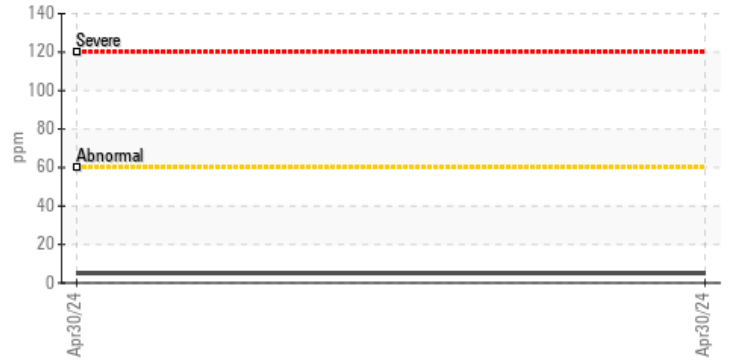
Lead (ppm)



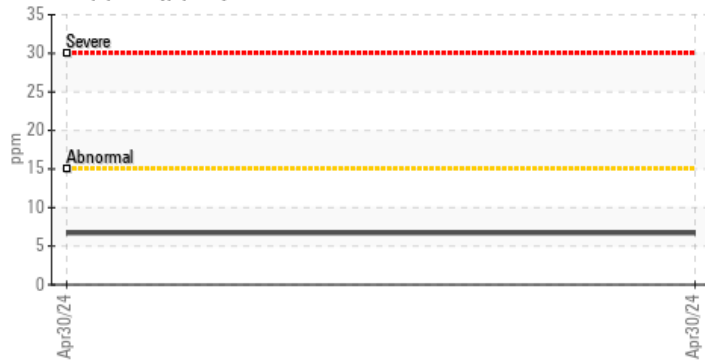
Aluminum (ppm)



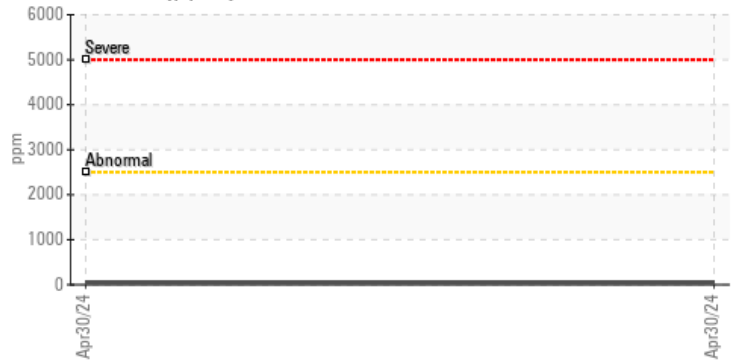
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

