



CONSTRUCTION EQUIPMENT

W0330012 MGC CONTRAC VOLVO EC300E 314688 - REAR LEFT FINAL DRIVE



Sample No: VCP424638
Oil Type: GEAR OIL SAE 80W90
Job No: W0330012 MGC CONTRAC



SAMPLE INFORMATION

Sample Number	VCP424638	VCP384198	---	---
Sample Date	05 Apr 2024	13 Jan 2023	---	---
Machine Hours	3184	2207	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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US 78220
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OIL CONDITION

Visc @ 40°C	cSt	█ 133	█ 137	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 6	█ 8	---	---
Sodium	ppm	█ <1	█ 0	---	---
Potassium	ppm	█ <1	█ 3	---	---

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.



WEAR METALS

Iron	ppm	█ 143	█ 262	---	---
Copper	ppm	█ 0	█ <1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ <1	█ <1	---	---
Chromium	ppm	█ 2	█ 4	---	---
Molybdenum	ppm	█ 17	7	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 2	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 178	73	---	---
Magnesium	ppm	█ 68	25	---	---
Zinc	ppm	█ 119	81	---	---
Phosphorus	ppm	█ 859	605	---	---
Barium	ppm	█ 0	2	---	---
Boron	ppm	█ 142	51	---	---

Depot: VOLVO0170
Unique No: 10976291
Signed: Wes Davis
Report Date: 12 Apr 2024

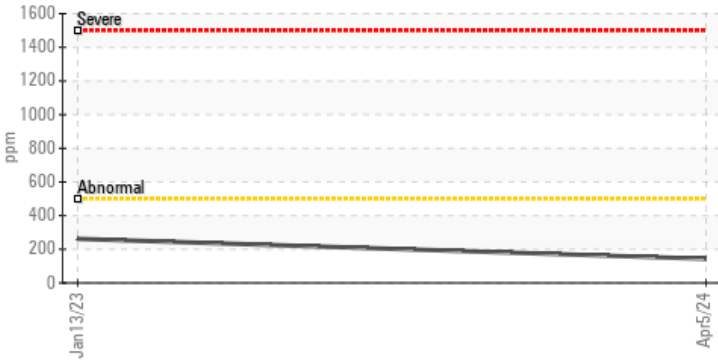


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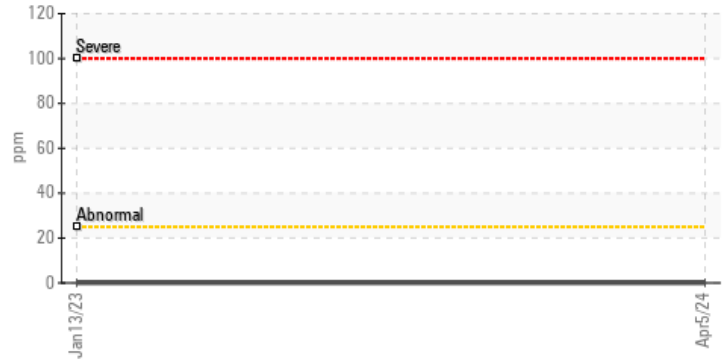


GRAPHS

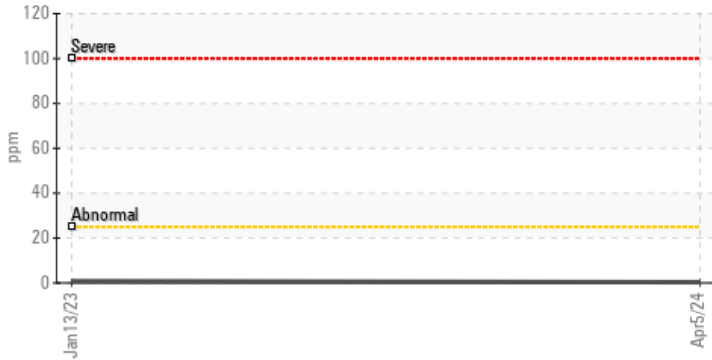
Iron (ppm)



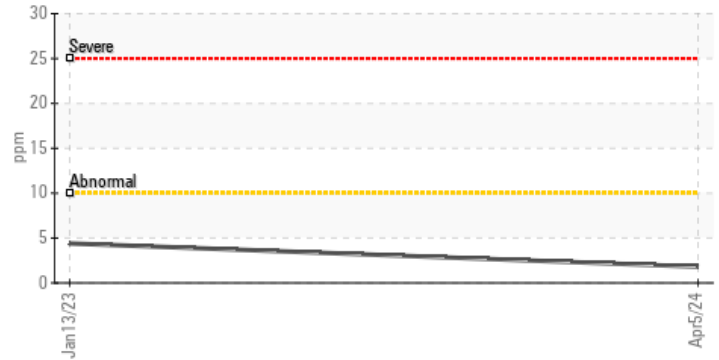
Lead (ppm)



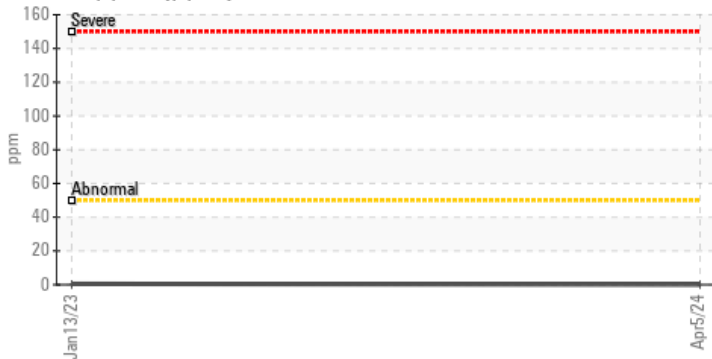
Aluminum (ppm)



Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

