



CONSTRUCTION EQUIPMENT

701157 APTIM VOLVO A35G 340101 - BOGIE/CENTER AXLE



Sample No: VCP454993
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 701157 APTIM



SAMPLE INFORMATION

Sample Number	VCP454993	VCP425790	VCP395761	---
Sample Date	12 Apr 2024	24 May 2023	31 Jan 2023	---
Machine Hours	9074	7984	7430	---
Oil Hours	1000	4000	3500	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	NORMAL	NORMAL	ATTENTION	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 232	■ 54.4	● 54.4	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	5	6	---
Sodium	ppm	■ 0	■ 0	■ 1	---
Potassium	ppm	■ 2	■ 2	■ 1	---

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	41	272	276	---
Copper	ppm	■ 1	■ 12	■ 11	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	1	1	2	---
Chromium	ppm	<1	3	4	---
Molybdenum	ppm	21	9	9	---
Nickel	ppm	0	1	2	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	<1	0	0	---
Manganese	ppm	3	56	53	---
Vanadium	ppm	<1	0	<1	---



ADDITIVES

Calcium	ppm	242	67	54	---
Magnesium	ppm	77	0	<1	---
Zinc	ppm	181	47	43	---
Phosphorus	ppm	1124	2262	2250	---
Barium	ppm	0	0	0	---
Boron	ppm	203	116	201	---

Depot: VOLVO0093
Unique No: 11036594
Signed: Wes Davis
Report Date: 22 May 2024

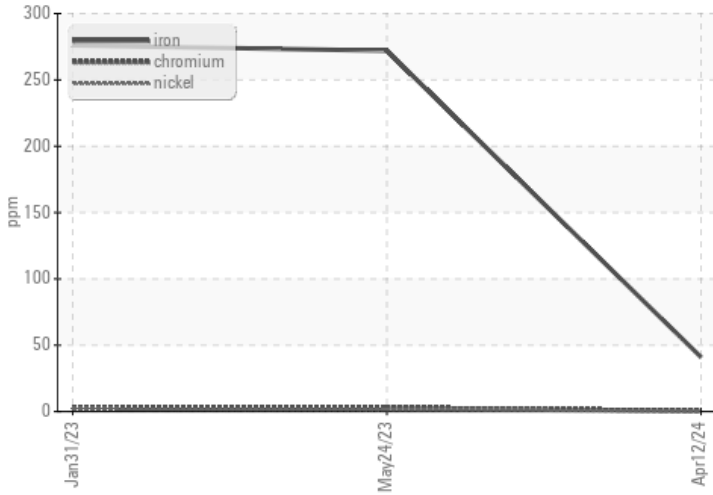


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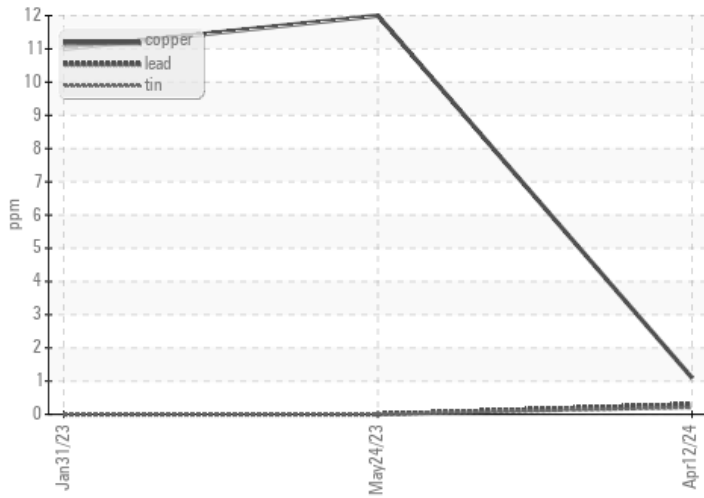


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

