



CONSTRUCTION EQUIPMENT

701157 APTIM VOLVO A35G 340101 - REAR AXLE



Sample No: VCP449859
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 701157 APTIM



SAMPLE INFORMATION

Sample Number	VCP449859	VCP412110	VCP395758	---
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	NORMAL	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 40°C	cSt	232	55.5	55.1	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	4	30	29	---
Sodium	ppm	0	0	2	---
Potassium	ppm	2	3	2	---

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	49	360	380	---
Copper	ppm	1	8	6	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	6	6	---
Chromium	ppm	<1	3	4	---
Molybdenum	ppm	24	14	12	---
Nickel	ppm	0	2	2	---
Titanium	ppm	<1	1	1	---
Silver	ppm	<1	0	0	---
Manganese	ppm	3	64	56	---
Vanadium	ppm	<1	0	<1	---



ADDITIVES

Calcium	ppm	260	110	42	---
Magnesium	ppm	79	<1	<1	---
Zinc	ppm	192	75	49	---
Phosphorus	ppm	1112	2488	2126	---
Barium	ppm	0	0	0	---
Boron	ppm	197	121	171	---

Depot: VOLVO0093
Unique No: 11036608
Signed: Wes Davis
Report Date: 22 May 2024

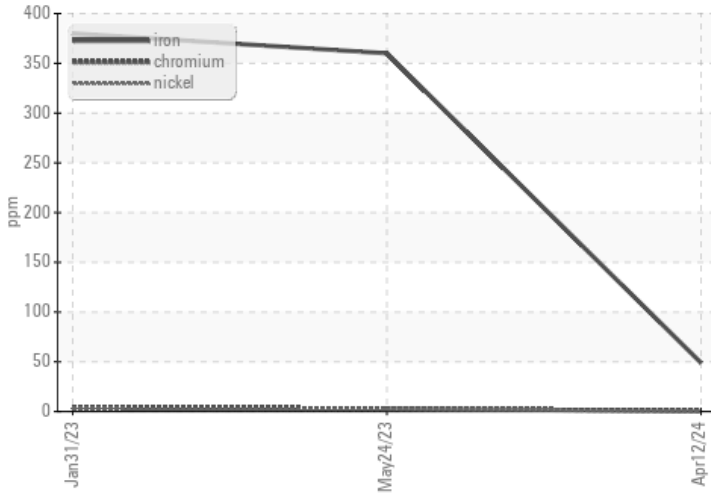


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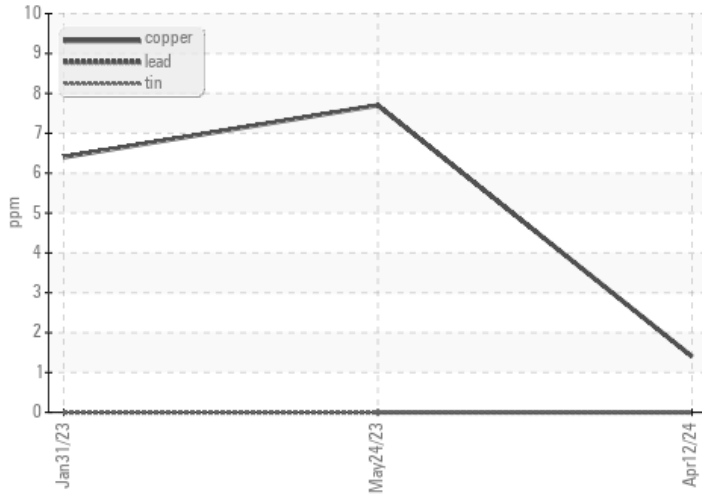


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

