



CONSTRUCTION EQUIPMENT

VOLVO A45G 352344 - FRONT AXLE



Sample No: VCP0008177
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP0008177	VCP402834	VCP350606	---
Sample Date	19 Jun 2024	23 Jun 2023	04 Jan 2022	---
Machine Hours	0	4120	2007	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	338	194	192	---
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CONTAMINATION

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

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	77	146	200	---
Copper	ppm	<1	4	4	---
Lead	ppm	<1	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	3	1	<1	---
Chromium	ppm	<1	2	2	---
Molybdenum	ppm	<1	7	7	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	1	7	7	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	11	208	206	---
Magnesium	ppm	4	51	48	---
Zinc	ppm	8	135	129	---
Phosphorus	ppm	1201	1024	957	---
Barium	ppm	0	0	0	---
Boron	ppm	213	168	190	---

Depot: VOLVO0092
Unique No: 11100858
Signed: Don Baldrige
Report Date: 29 Jun 2024

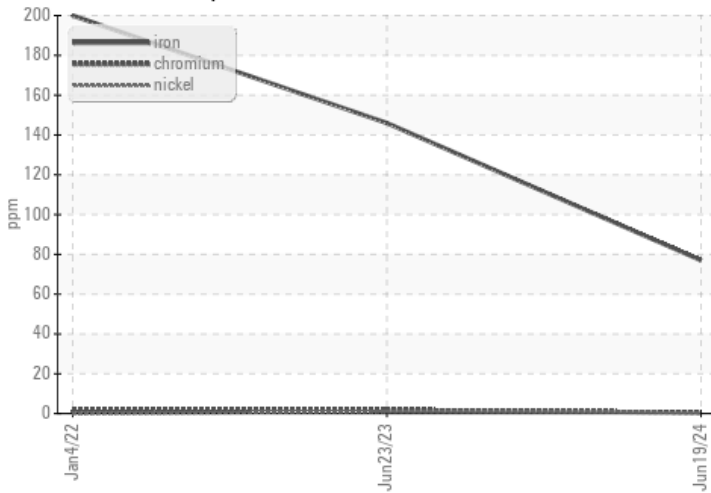


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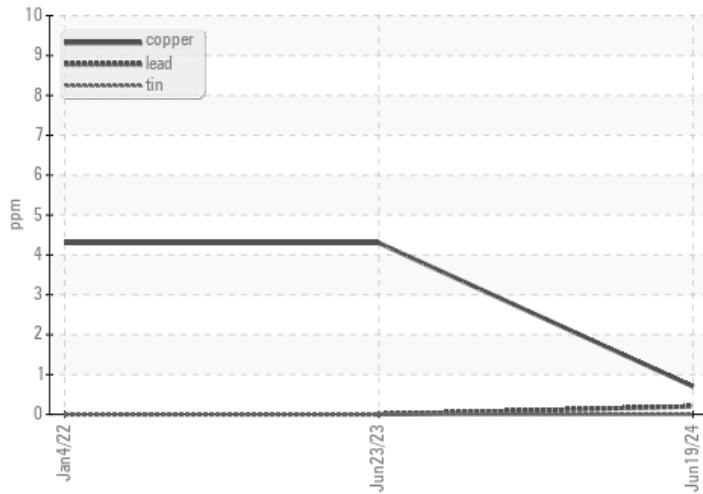


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

