



CONSTRUCTION EQUIPMENT

VOLVO 480 315167 - LEFT FINAL DRIVE



Sample No: VCP428723
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP428723	VCP415602	---	---
Sample Date	19 Dec 2023	01 Jun 2023	---	---
Machine Hours	1494	514	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	150	153	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	17	10	---	---
Sodium	ppm	4	3	---	---
Potassium	ppm	1	<1	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. 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	631	301	---	---
Copper	ppm	1	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	11	5	---	---
Molybdenum	ppm	1	<1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	8	5	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	14	34	---	---
Magnesium	ppm	0	0	---	---
Zinc	ppm	7	3	---	---
Phosphorus	ppm	334	316	---	---
Barium	ppm	2	0	---	---
Boron	ppm	12	<1	---	---

Depot: VOLVO0096
Unique No: 10804186
Signed: Jonathan Hester
Report Date: 27 Dec 2023

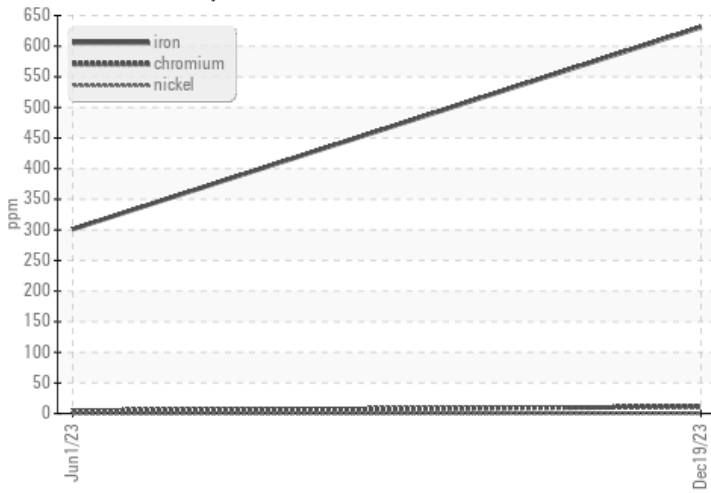


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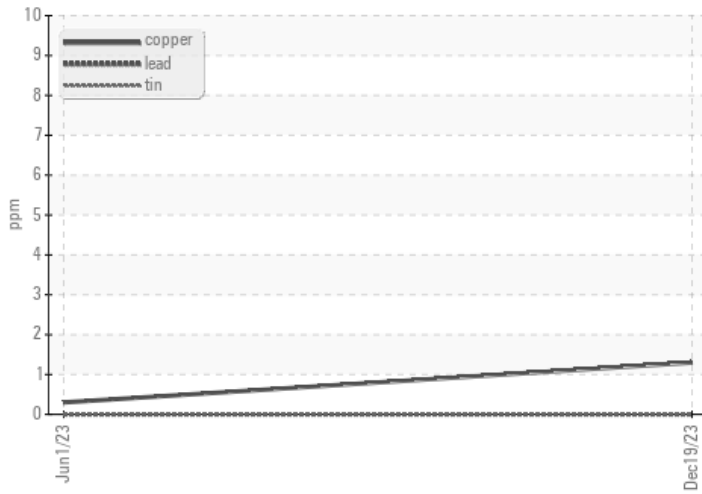


GRAPHS

▲ Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

