



CONSTRUCTION EQUIPMENT

VOLVO 480 315167 - RIGHT SWING DRIVE



Sample No: VCP428729
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP428729	VCP415606	---	---
Sample Date	19 Dec 2023	01 Jun 2023	---	---
Machine Hours	1494	518	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	185	157	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	21	19	---	---
Sodium	ppm	<1	2	---	---
Potassium	ppm	0	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	112	117	---	---
Copper	ppm	25	33	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	2	1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	3	3	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	4	8	---	---
Magnesium	ppm	0	1	---	---
Zinc	ppm	20	14	---	---
Phosphorus	ppm	500	313	---	---
Barium	ppm	1	0	---	---
Boron	ppm	37	0	---	---

Depot: VOLVO0096
Unique No: 10804169
Signed: Jonathan Hester
Report Date: 27 Dec 2023

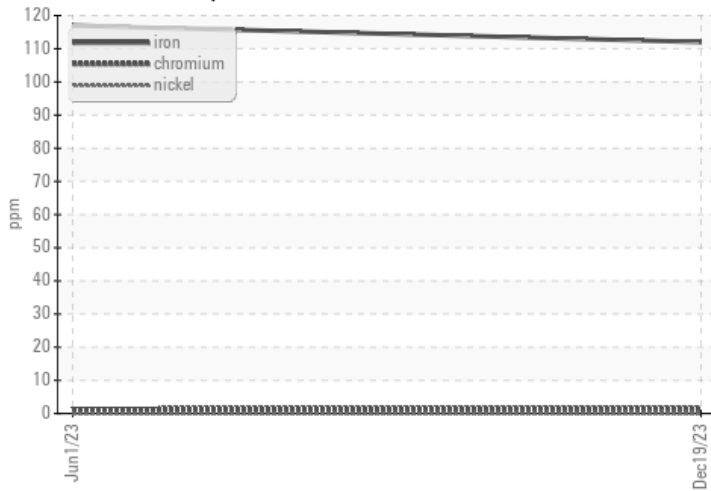


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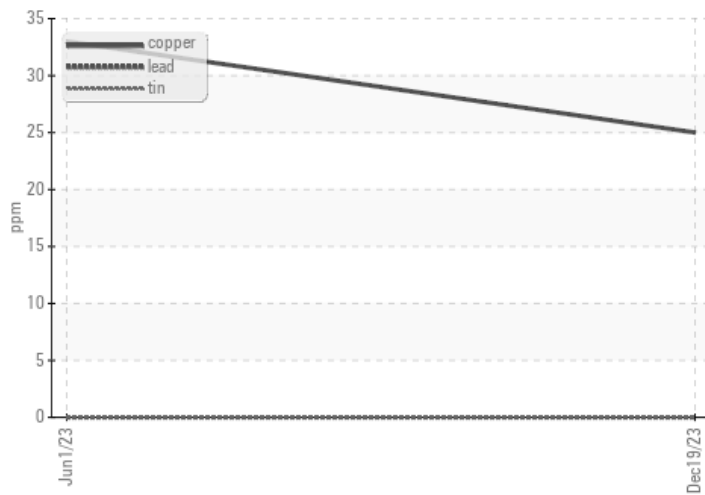


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

