



CONSTRUCTION EQUIPMENT

BULK EXPRESS VOLVO L180H 5720 - REAR AXLE



Sample No: VCP432359
Oil Type: VOLVO WB 102
Job No: BULK EXPRESS



SAMPLE INFORMATION

Sample Number	VCP432359	VCP434601	VCP434828	---
Sample Date	20 Dec 2023	07 Nov 2023	13 Sep 2023	---
Machine Hours	2139	1692	1126	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	41.6	45.7	41.2	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	14	14	12	---
Sodium	ppm	<1	3	3	---
Potassium	ppm	4	2	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	54	40	51	---
Copper	ppm	4	3	3	---
Lead	ppm	<1	2	0	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	2	1	<1	---
Chromium	ppm	2	2	1	---
Molybdenum	ppm	6	3	4	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	4	3	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	3820	3695	3906	---
Magnesium	ppm	13	12	12	---
Zinc	ppm	1601	1579	1610	---
Phosphorus	ppm	1360	1342	1323	---
Barium	ppm	10	0	0	---
Boron	ppm	133	129	149	---

Depot: VOLVO0096
Unique No: 10807696
Signed: Don Baldridge
Report Date: 29 Dec 2023

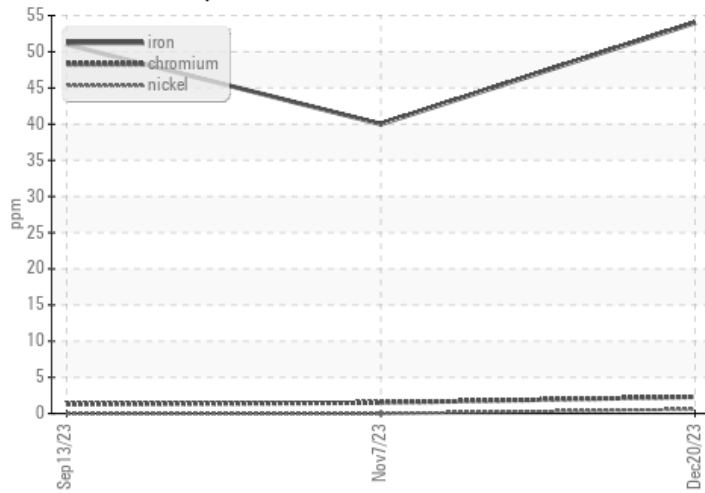


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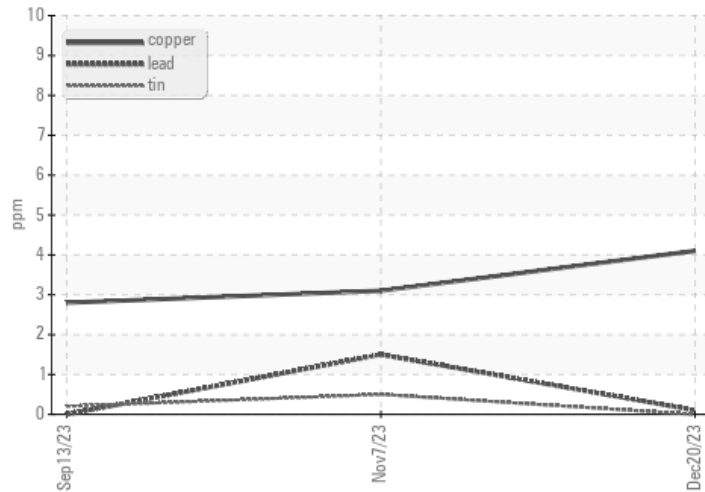


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

