



CONSTRUCTION EQUIPMENT

VOLVO A25G 742 178 - BOGIE/CENTER AXLE



Sample No: VCP0008164

Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5

Job No:



SAMPLE INFORMATION

Sample Number	VCP0008164	VCP425268	VCP317346	VCP279231
Sample Date	05 Apr 2024	22 Jun 2023	08 Jul 2021	14 Nov 2020
Machine Hours	0	3810	2334	1114
Oil Hours	0	0	0	1114
Oil Changed	N/A	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	285	219	60.3	62.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	35	23	26	8
Sodium	ppm	<1	2	6	6
Potassium	ppm	2	3	1	21

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	187	175	445	336
Copper	ppm	10	13	33	19
Lead	ppm	<1	1	<1	3
Tin	ppm	1	<1	2	0
Aluminum	ppm	2	3	3	<1
Chromium	ppm	3	3	9	8
Molybdenum	ppm	3	2	11	7
Nickel	ppm	3	3	6	3
Titanium	ppm	<1	1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	4	6	25	28
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	73	54	40	38
Magnesium	ppm	13	12	2	1
Zinc	ppm	38	34	19	22
Phosphorus	ppm	1124	799	1309	1391
Barium	ppm	<1	0	0	<1
Boron	ppm	191	124	204	180

Depot: VOLVO0092
Unique No: 10968248
Signed: Jonathan Hester
Report Date: 12 Apr 2024

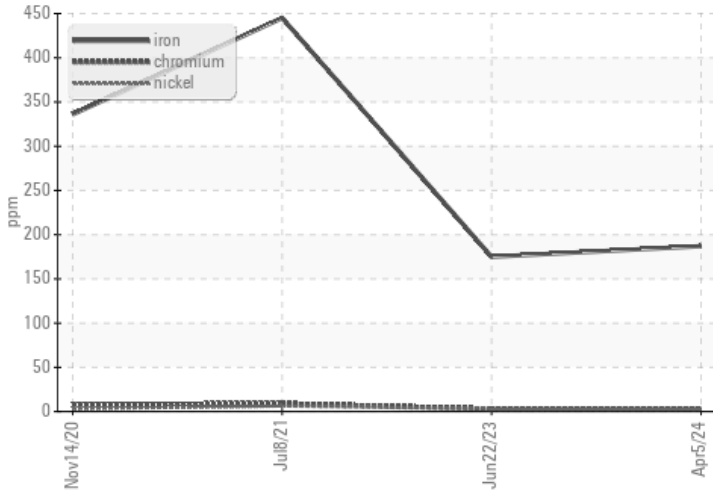


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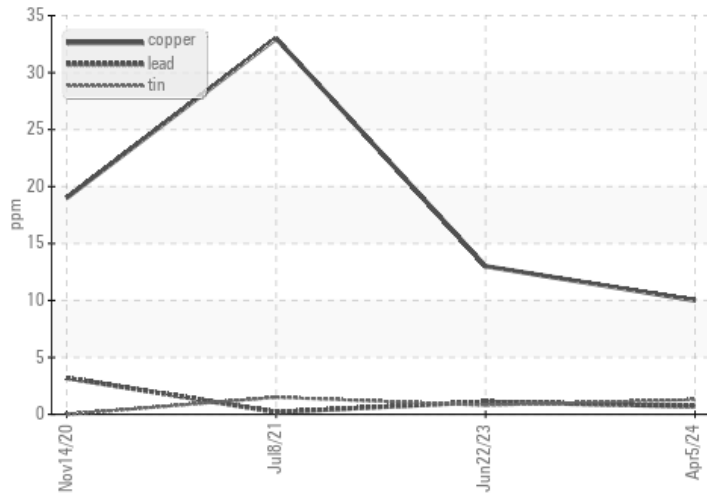


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

