



CONSTRUCTION EQUIPMENT

VOLVO A25G 742 178 - REAR AXLE



Sample No: VCP0008168

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

Job No:



SAMPLE INFORMATION

Sample Number	VCP0008168	VCP425269	VCP317299	VCP279229
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

ALTA EQUIPMENT COMPANY
 8750 PHILIPS HWY
 JACKSONVILLE, FL
 US 32256
 Contact: SHAWN NORTHCRAFT
 shawn.northcraft@altg.com
 T: (904)737-6000
 F: (904)737-1260



OIL CONDITION

Visc @ 40°C	cSt	276	234	62.2	63.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	12	18	4	2
Sodium	ppm	1	2	7	6
Potassium	ppm	2	3	<1	8

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	109	132	394	285
Copper	ppm	11	11	26	18
Lead	ppm	<1	<1	<1	2
Tin	ppm	1	<1	1	0
Aluminum	ppm	2	4	1	<1
Chromium	ppm	2	3	9	7
Molybdenum	ppm	3	2	10	7
Nickel	ppm	2	2	4	4
Titanium	ppm	<1	1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	3	6	30	27
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	168	71	52	38
Magnesium	ppm	13	13	1	0
Zinc	ppm	86	44	24	22
Phosphorus	ppm	1151	786	1342	1363
Barium	ppm	<1	0	0	<1
Boron	ppm	189	128	221	184

Depot: VOLVO0092
Unique No: 10968247
Signed: Jonathan Hester
Report Date: 12 Apr 2024

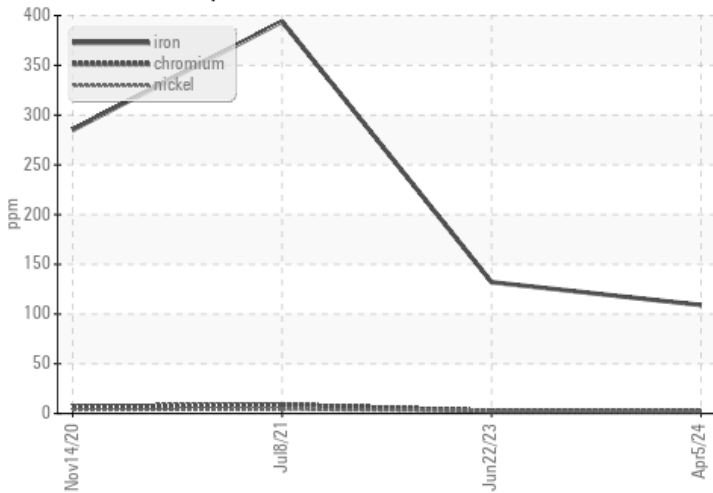


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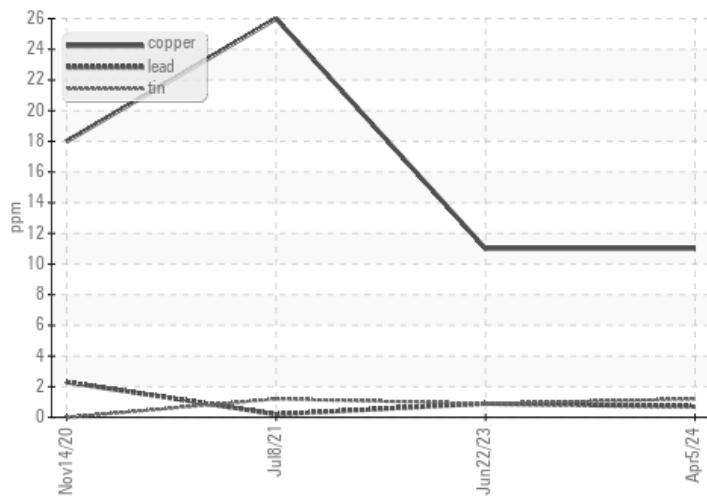


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

