



CONSTRUCTION EQUIPMENT

VOLVO A45G 342321 - BOGIE/CENTER AXLE



Sample No: VCP416624
Oil Type: VOLVO API GL-5 SAE 75W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP416624	VCP413050	VCP405910	VCP371290
Sample Date	17 Oct 2023	11 Jul 2023	22 Mar 2023	23 Nov 2022
Machine Hours	8968	8493	8012	7534
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC
 4400 LEWISBURG RD
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 T: (205)943-2268
 F: (205)943-2269



OIL CONDITION

Visc @ 40°C	cSt	308	313	285	286
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CONTAMINATION

Silicon	ppm	4	4	4	4
Sodium	ppm	0	0	2	0
Potassium	ppm	2	0	0	0



WEAR METALS

Iron	ppm	20	19	145	92
Copper	ppm	<1	0	1	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	1	0	<1	<1
Chromium	ppm	<1	<1	2	1
Molybdenum	ppm	3	3	6	4
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	6	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	46	52	74	67
Magnesium	ppm	22	26	19	15
Zinc	ppm	37	46	52	47
Phosphorus	ppm	1114	1119	1110	1026
Barium	ppm	0	0	0	0
Boron	ppm	194	230	223	244

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.

Depot: SAIBIR
Unique No: 10715031
Signed: Sean Felton
Report Date: 31 Oct 2023

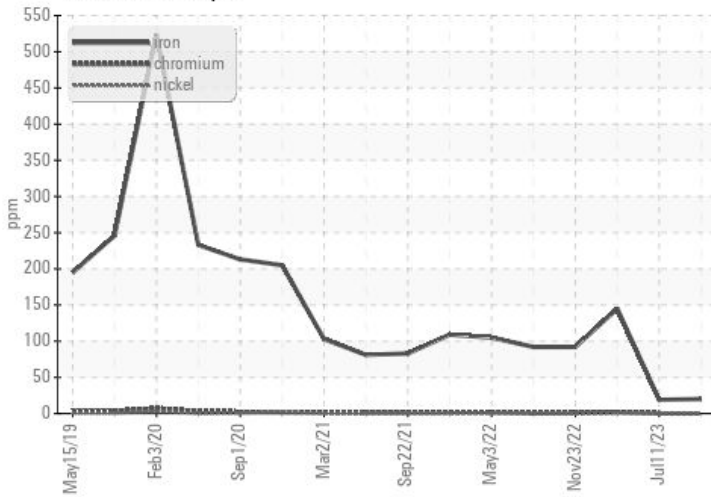


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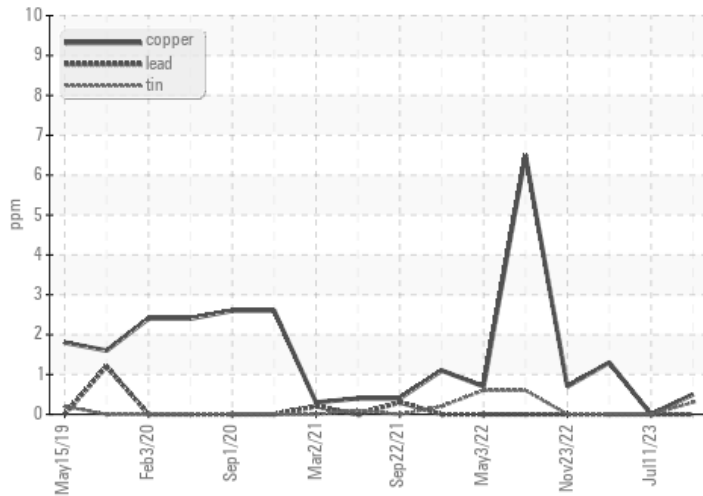


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

