



CONSTRUCTION EQUIPMENT

VOLVO A45G 342321 - FRONT AXLE



Sample No: VCP416620
Oil Type: VOLVO API GL-5 SAE 75W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP416620	VCP403949	VCP371297	VCP280280
Sample Date	17 Oct 2023	22 Mar 2023	23 Nov 2022	16 Aug 2022
Machine Hours	8968	8012	7534	6948
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	313	302	299	304
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CONTAMINATION

Silicon	ppm	4	4	3	2
Sodium	ppm	0	2	0	0
Potassium	ppm	2	<1	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	20	112	81	84
Copper	ppm	1	2	2	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	1	<1	<1	<1
Chromium	ppm	<1	2	1	<1
Molybdenum	ppm	3	3	2	2
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	5	4	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	73	87	79	73
Magnesium	ppm	22	20	14	17
Zinc	ppm	49	59	52	53
Phosphorus	ppm	1076	1046	978	932
Barium	ppm	0	0	0	0
Boron	ppm	193	203	232	226

Depot: SAIBIR
Unique No: 10715019
Signed: Sean Felton
Report Date: 31 Oct 2023

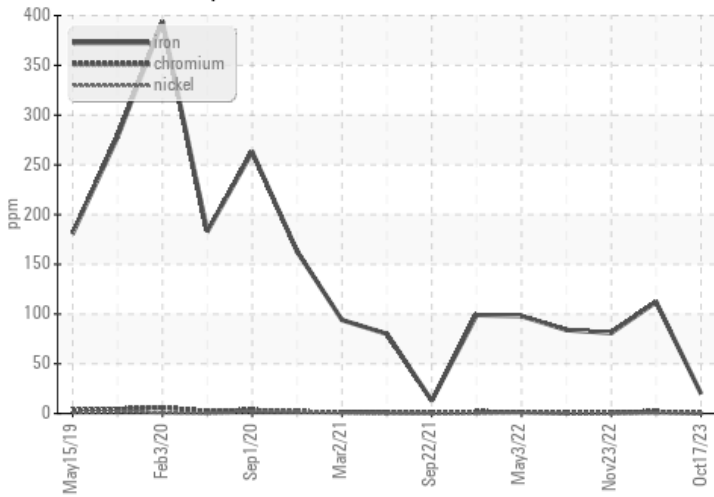


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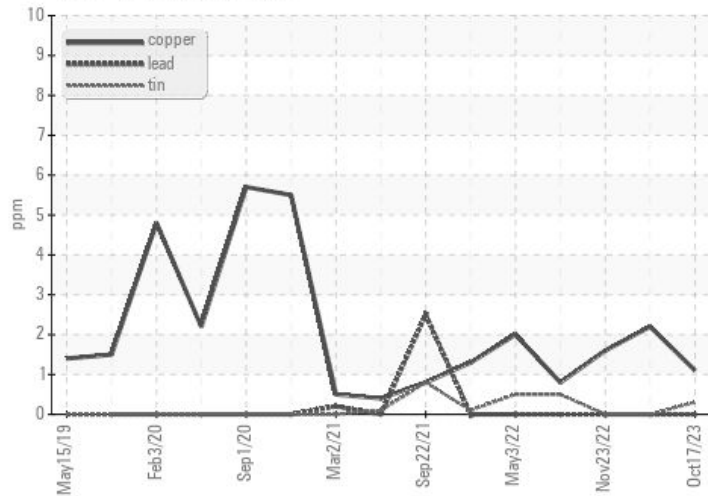


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

