



CONSTRUCTION EQUIPMENT

VOLVO A45G 342321 - DROP BOX



Sample No: VCP416623
Oil Type: VOLVO API GL-5 SAE 75W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP416623	VCP412975	VCP405924	VCP369003
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

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OIL CONDITION

Visc @ 40°C	cSt	309	309	273	272
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CONTAMINATION

Silicon	ppm	5	4	7	8
Sodium	ppm	0	0	2	0
Potassium	ppm	2	0	<1	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	19	15	43	29
Copper	ppm	<1	0	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	4	4	10	5
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	5	4	7	6
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

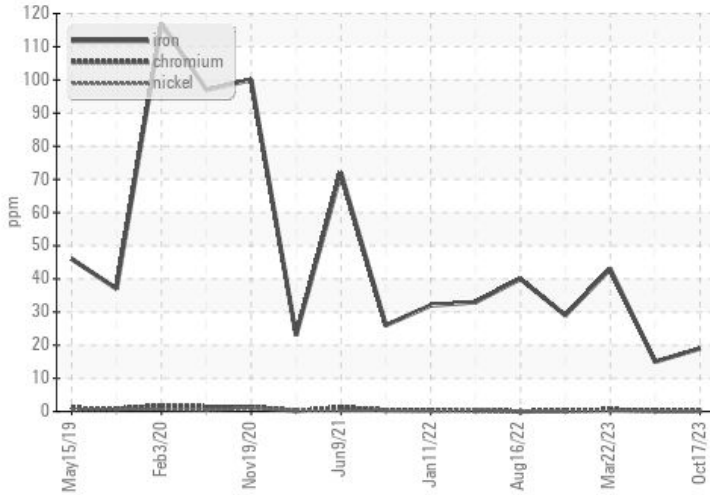
Calcium	ppm	47	54	63	58
Magnesium	ppm	23	26	22	15
Zinc	ppm	40	47	58	51
Phosphorus	ppm	1123	1102	1023	955
Barium	ppm	0	0	0	0
Boron	ppm	179	214	159	187

Depot: SAIBIR
Unique No: 10715032
Signed: Sean Felton
Report Date: 31 Oct 2023

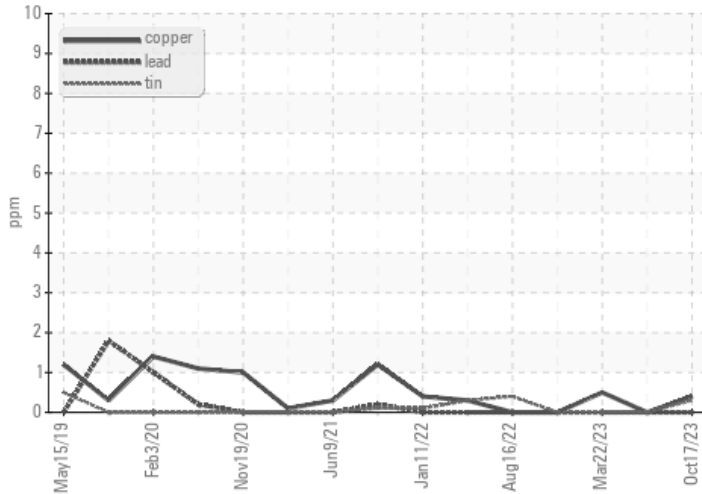


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

