



# CONSTRUCTION EQUIPMENT

W07013767 VOLVO A45G 342044 - DROP BOX



**Sample No:** VCP409430  
**Oil Type:** MOBIL 75W90  
**Job No:** W07013767



## SAMPLE INFORMATION

Sample Number	VCP409430	VCP354331	VCP420338	VCP401298
Sample Date	10 Nov 2023	29 Sep 2023	28 Jun 2023	02 Feb 2023
Machine Hours	9892	9656	9226	8248
Oil Hours	500	0	500	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
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 T:  
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## OIL CONDITION

Visc @ 40°C	cSt	54.2	54.5	48.6	48.3
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	5	5	9
Sodium	ppm	2	<1	4	4
Potassium	ppm	0	<1	2	<1

## 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	36	34	68	105
Copper	ppm	<1	0	2	2
Lead	ppm	0	0	<1	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	2	2	5	8
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	<1	2	2	3
Nickel	ppm	0	<1	<1	1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	2
Vanadium	ppm	0	0	0	0



## ADDITIVES

Calcium	ppm	16	13	8	24
Magnesium	ppm	<1	4	0	2
Zinc	ppm	36	36	26	41
Phosphorus	ppm	2125	2176	2755	2329
Barium	ppm	0	0	0	0
Boron	ppm	149	129	98	215

**Depot:** VOLVO8882  
**Unique No:** 10763001  
**Signed:** Don Baldrige  
**Report Date:** 30 Nov 2023

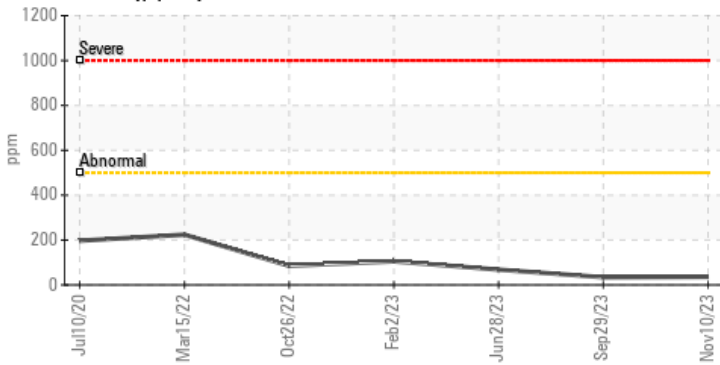


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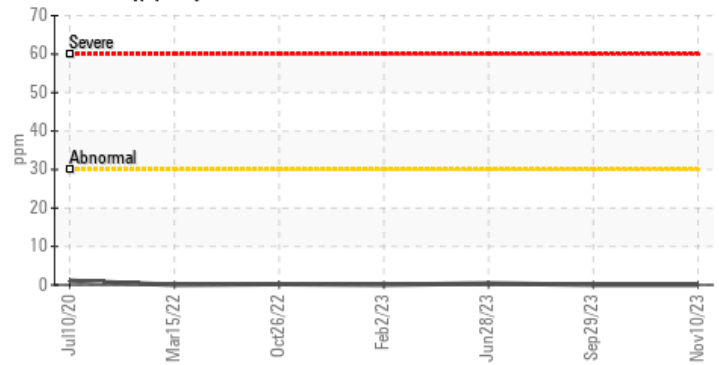


## GRAPHS

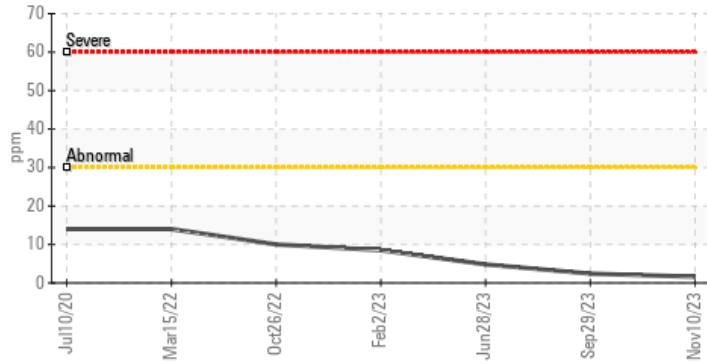
### Iron (ppm)



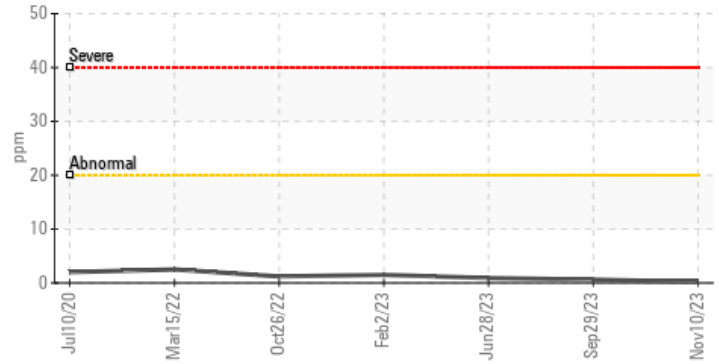
### Lead (ppm)



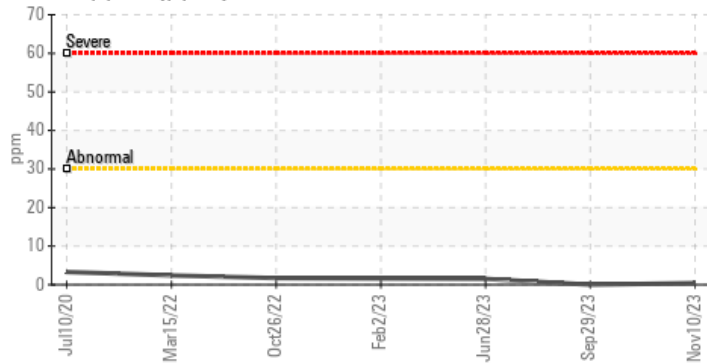
### Aluminum (ppm)



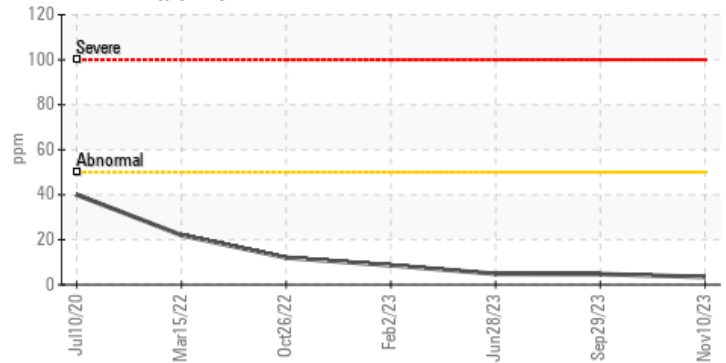
### Chromium (ppm)



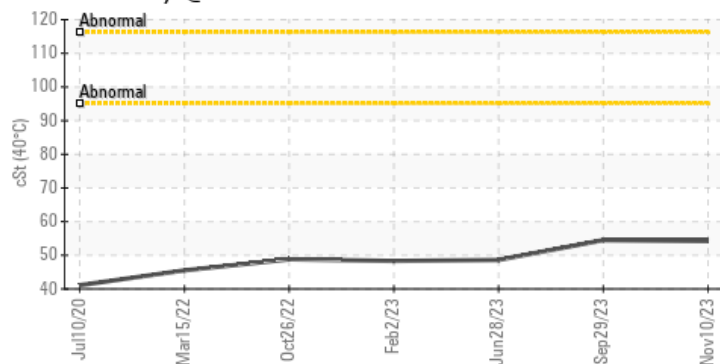
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

