



# CONSTRUCTION EQUIPMENT

W07012959 VOLVO A45G 342403 - DROP BOX



**Sample No:** VCP367960  
**Oil Type:** MOBIL 75W90  
**Job No:** W07012959



## SAMPLE INFORMATION

Sample Number	<b>VCP367960</b>	VCP399860	VCP389105	VCP344954
Sample Date	<b>11 Jul 2023</b>	27 Mar 2023	27 Oct 2022	10 May 2022
Machine Hours	<b>6966</b>	0	5504	4777
Oil Hours	<b>500</b>	0	500	0
Oil Changed	<b>N/A</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	SEVERE	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>50.2</b>	52.0	52.8	49.7
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## CONTAMINATION

Silicon	ppm	<b>11</b>	24	52	24
Sodium	ppm	<b>3</b>	3	6	4
Potassium	ppm	<b>3</b>	<1	16	8



## WEAR METALS

Iron	ppm	<b>180</b>	242	1319	90
Copper	ppm	<b>2</b>	<1	5	3
Lead	ppm	<b>&lt;1</b>	0	<1	<1
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>2</b>	8	20	1
Chromium	ppm	<b>2</b>	3	13	<1
Molybdenum	ppm	<b>4</b>	8	25	19
Nickel	ppm	<b>&lt;1</b>	0	1	0
Titanium	ppm	<b>0</b>	<1	<1	0
Silver	ppm	<b>&lt;1</b>	0	0	<1
Manganese	ppm	<b>2</b>	3	13	2
Vanadium	ppm	<b>0</b>	0	<1	0



## ADDITIVES

Calcium	ppm	<b>10</b>	23	95	200
Magnesium	ppm	<b>0</b>	8	19	72
Zinc	ppm	<b>18</b>	16	157	151
Phosphorus	ppm	<b>2441</b>	2210	2369	2246
Barium	ppm	<b>0</b>	0	6	0
Boron	ppm	<b>159</b>	265	163	116

## 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:** VOLVO8882  
**Unique No:** 10563990  
**Signed:** Don Baldrige  
**Report Date:** 21 Jul 2023

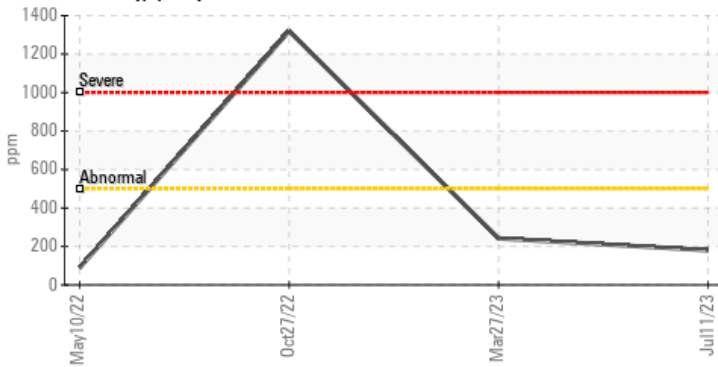


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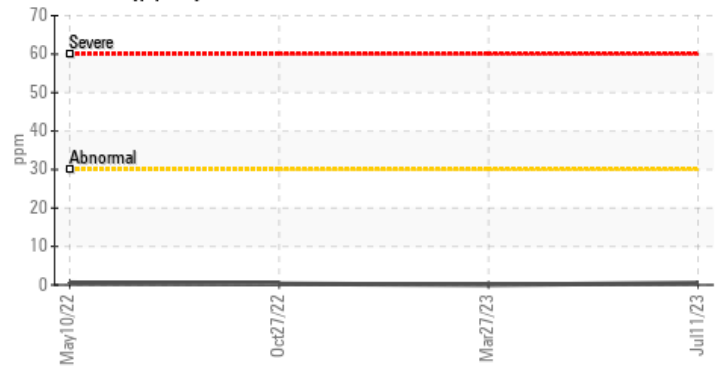


## GRAPHS

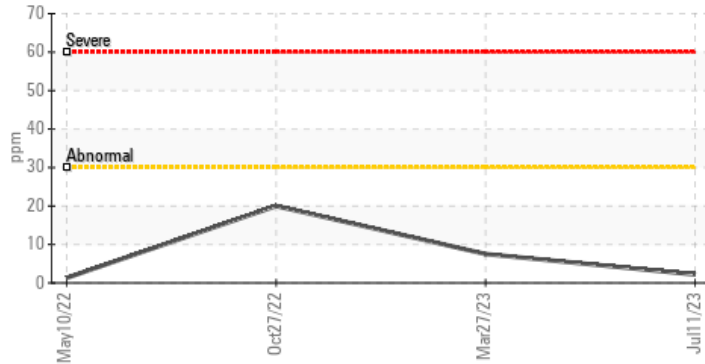
### Iron (ppm)



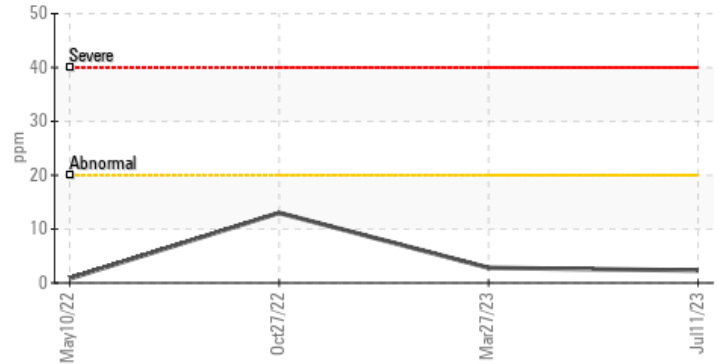
### Lead (ppm)



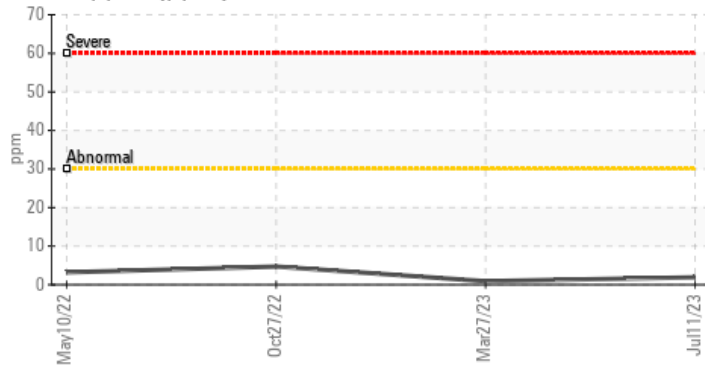
### Aluminum (ppm)



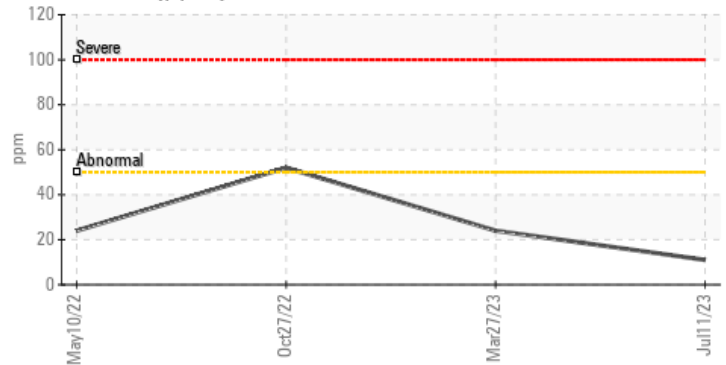
### Chromium (ppm)



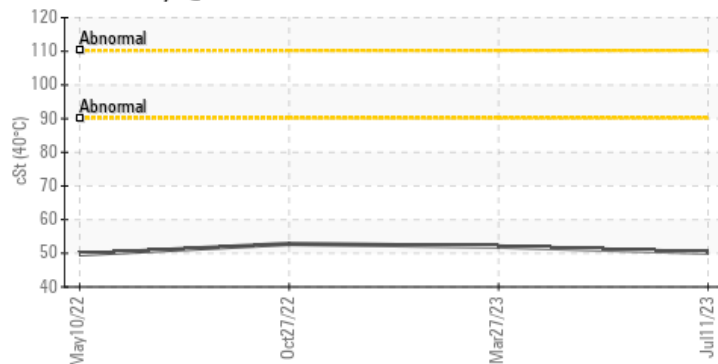
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

