



# CONSTRUCTION EQUIPMENT

371606 VOLVO A40G 342484 - DROP BOX



**Sample No:** VCP333624  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** 371606



## SAMPLE INFORMATION

Sample Number	<b>VCP333624</b>	VCP298134	---	---
Sample Date	<b>11 Jul 2023</b>	26 Jan 2023	---	---
Machine Hours	<b>9448</b>	8325	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Not Changd	---	---
Sample Status	<b>NORMAL</b>	SEVERE	---	---

## STRONGCO EQUIPMENT-EDMONTON

25616 117 Ave NW  
 Acheson, AB  
 CA T7X 6C2

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 T: (780)464-1909  
 F: (780)464-0434



## OIL CONDITION

Visc @ 40°C	cSt	<b>52.3</b>	89.8	---	---
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## CONTAMINATION

Silicon	ppm	<b>19</b>	13	---	---
Sodium	ppm	<b>6</b>	<1	---	---
Potassium	ppm	<b>1</b>	<1	---	---



## WEAR METALS

PQ		---	556	---	---
Iron	ppm	<b>119</b>	1429	---	---
Copper	ppm	<b>7</b>	4	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>0</b>	0	---	---
Aluminum	ppm	<b>3</b>	11	---	---
Chromium	ppm	<b>2</b>	23	---	---
Molybdenum	ppm	<b>11</b>	16	---	---
Nickel	ppm	<b>&lt;1</b>	12	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>1</b>	13	---	---
Vanadium	ppm	<b>0</b>	<1	---	---



## ADDITIVES

Calcium	ppm	<b>94</b>	6	---	---
Magnesium	ppm	<b>1</b>	<1	---	---
Zinc	ppm	<b>185</b>	14	---	---
Phosphorus	ppm	<b>2308</b>	475	---	---
Barium	ppm	<b>&lt;1</b>	0	---	---
Boron	ppm	<b>220</b>	58	---	---

## Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO3908  
**Unique No:** 5620477  
**Signed:** Kevin Marson  
**Report Date:** 11 Aug 2023

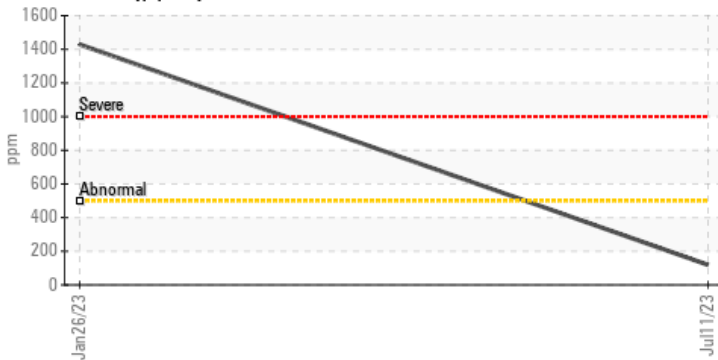


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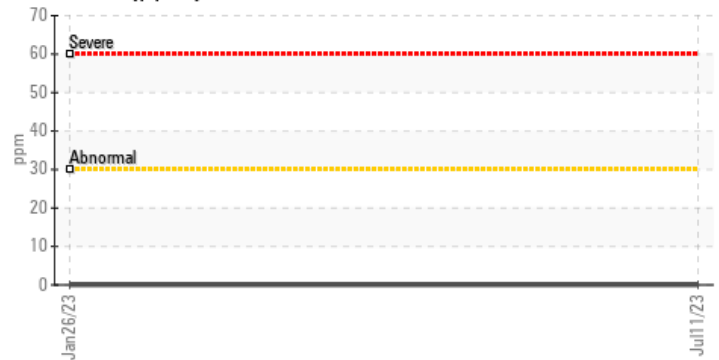


## GRAPHS

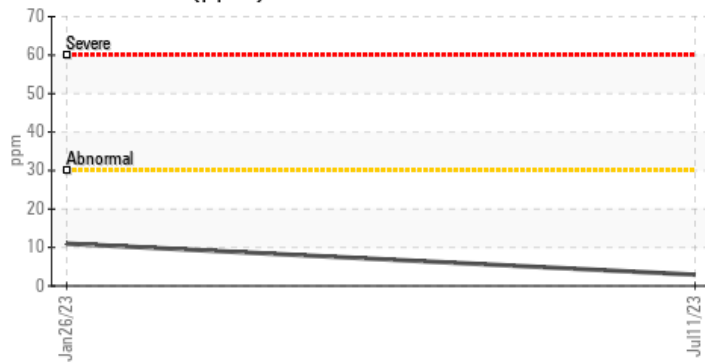
### Iron (ppm)



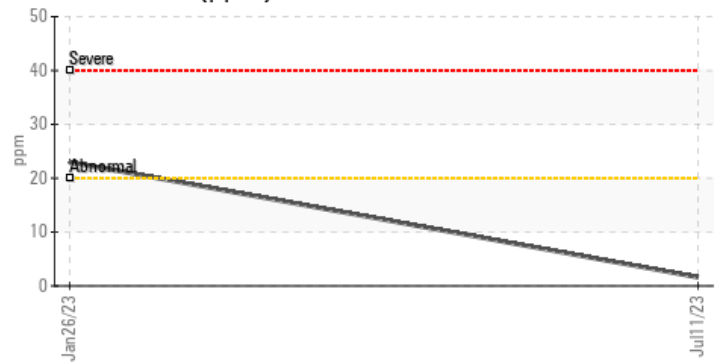
### Lead (ppm)



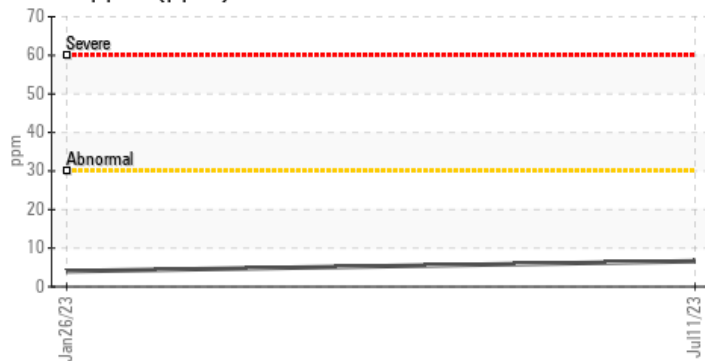
### Aluminum (ppm)



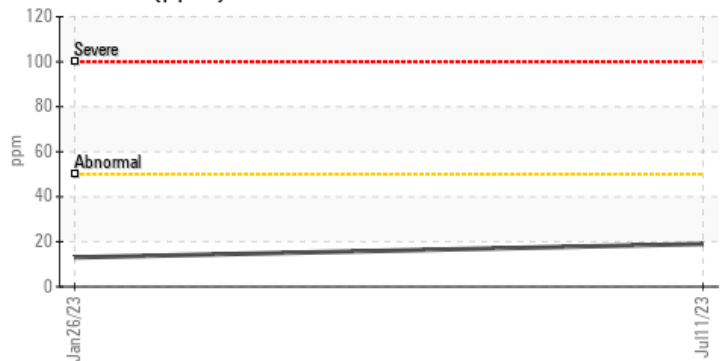
### Chromium (ppm)



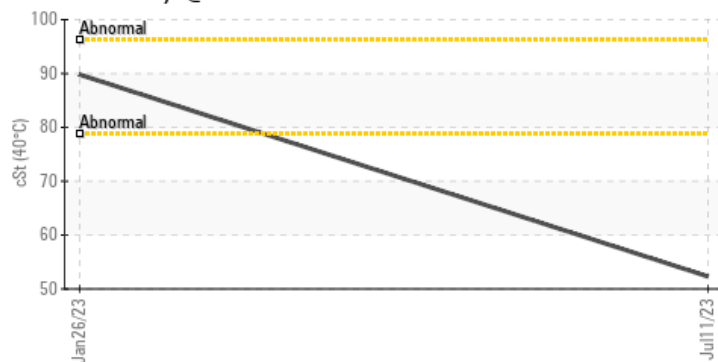
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

