



# CONSTRUCTION EQUIPMENT

TRANSPORT LEASING VOLVO L220H 3069 - FRONT AXLE



**Sample No:** VCP440146  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:** TRANSPORT LEASING



## SAMPLE INFORMATION

Sample Number	<b>VCP440146</b>	VCP429834	VCP392976	VCP382523
Sample Date	<b>27 Feb 2024</b>	12 Dec 2023	18 Apr 2023	10 Jan 2023
Machine Hours	<b>15532</b>	14549	13507	12334
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	N/A	N/A
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>53.9</b>	54.5	50.7	50.9
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>21</b>	17	18	16
Sodium	ppm	<b>0</b>	0	2	0
Potassium	ppm	<b>1</b>	0	0	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	<b>110</b>	137	117	98
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>&lt;1</b>	1	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	2	2	<1
Chromium	ppm	<b>&lt;1</b>	1	1	<1
Molybdenum	ppm	<b>6</b>	3	4	4
Nickel	ppm	<b>&lt;1</b>	<1	0	0
Titanium	ppm	<b>1</b>	3	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	4	3	1
Vanadium	ppm	<b>0</b>	<1	0	0



## ADDITIVES

Calcium	ppm	<b>3515</b>	3196	3341	3324
Magnesium	ppm	<b>43</b>	7	31	42
Zinc	ppm	<b>1458</b>	1304	1333	1302
Phosphorus	ppm	<b>1108</b>	1019	1068	1061
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>136</b>	118	112	114

**Depot:** VOLVO1835  
**Unique No:** 10940913  
**Signed:** Wes Davis  
**Report Date:** 25 Mar 2024

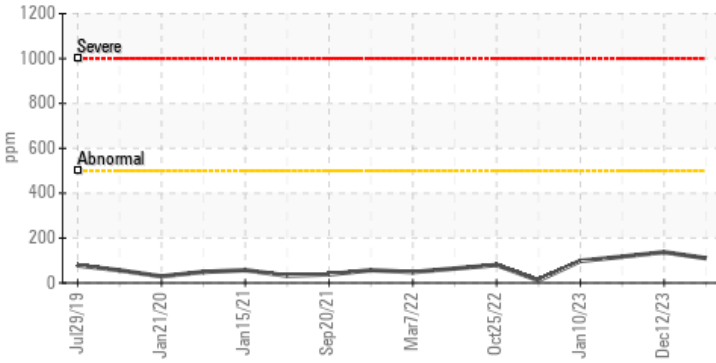


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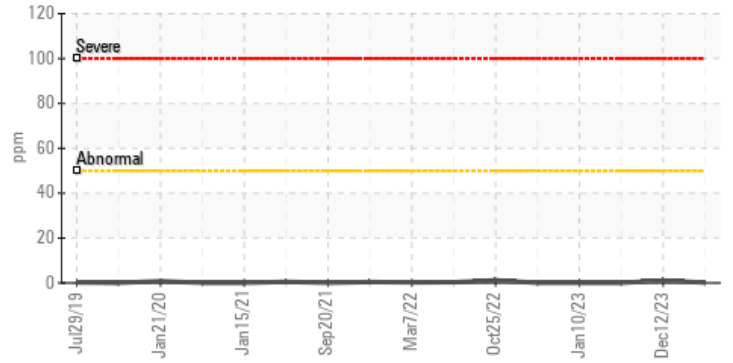


## GRAPHS

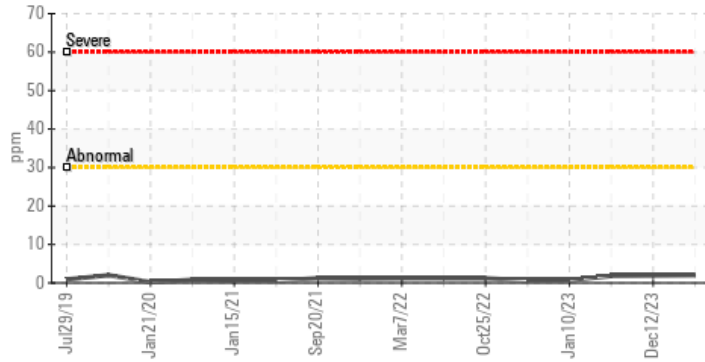
### Iron (ppm)



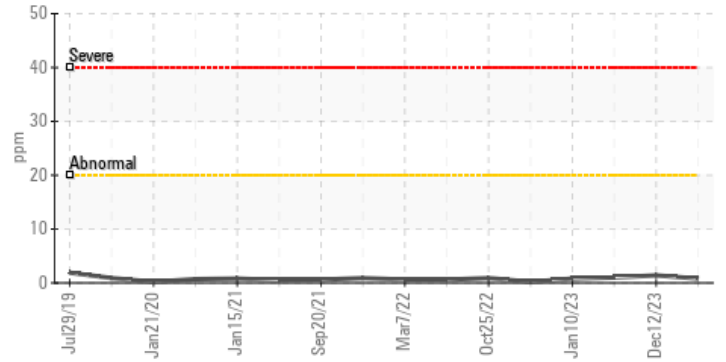
### Lead (ppm)



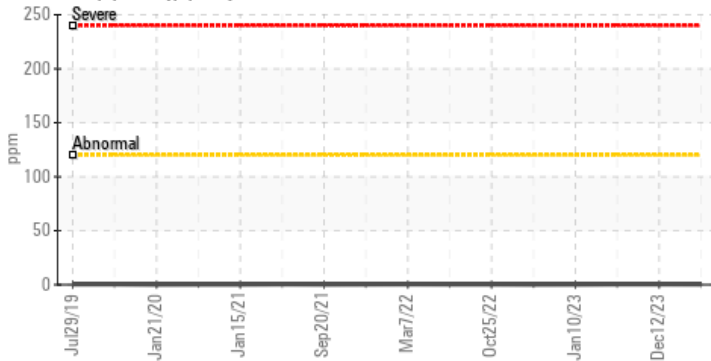
### Aluminum (ppm)



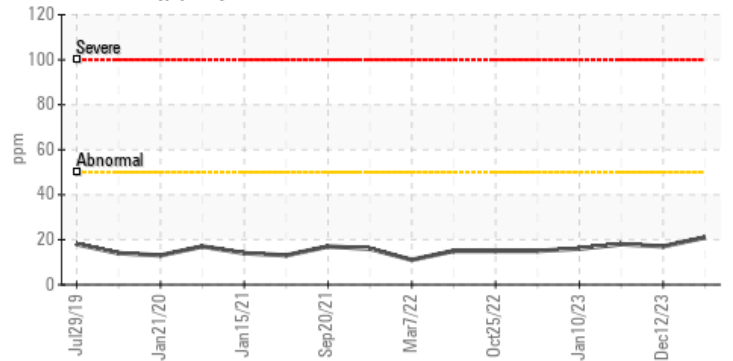
### Chromium (ppm)



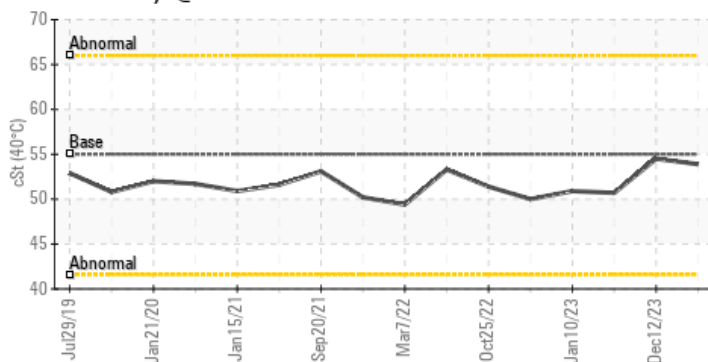
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

