



# CONSTRUCTION EQUIPMENT

## B51280 PARTRIDGE/KID VOLVO L90H 624424 - REAR AXLE



**Sample No:** VCP429414  
**Oil Type:** TRANSAXLE OIL SAE 75W80  
**Job No:** B51280 PARTRIDGE/KID



### SAMPLE INFORMATION

Sample Number	<b>VCP429414</b>	VCP225416	---	---
Sample Date	<b>06 Feb 2024</b>	12 Sep 2018	---	---
Machine Hours	<b>5815</b>	505	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Not Chngd</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

### CHADWICK-BAROSS INC

188 PERRY ROAD  
 BANGOR, ME  
 US 04401  
 Contact: TED MENARD  
 Ted.Menard@chadwick-baross.com  
 T: (207)942-4838  
 F: (207)941-0856



### OIL CONDITION

Visc @ 40°C	cSt	<b>40.5</b>	39.19	---	---
-------------	-----	-------------	-------	-----	-----



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>37</b>	14	---	---
Sodium	ppm	<b>4</b>	10	---	---
Potassium	ppm	<b>3</b>	3	---	---



### WEAR METALS

Iron	ppm	<b>244</b>	60	---	---
Copper	ppm	<b>44</b>	76	---	---
Lead	ppm	<b>1</b>	1	---	---
Tin	ppm	<b>5</b>	6	---	---
Aluminum	ppm	<b>6</b>	1	---	---
Chromium	ppm	<b>5</b>	4	---	---
Molybdenum	ppm	<b>1</b>	3	---	---
Nickel	ppm	<b>2</b>	1	---	---
Titanium	ppm	<b>1</b>	<1	---	---
Silver	ppm	<b>&lt;1</b>	0	---	---
Manganese	ppm	<b>5</b>	8	---	---
Vanadium	ppm	<b>&lt;1</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>3787</b>	4172	---	---
Magnesium	ppm	<b>13</b>	8	---	---
Zinc	ppm	<b>1586</b>	1660	---	---
Phosphorus	ppm	<b>1295</b>	1323	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>129</b>	113	---	---

### Diagnosis

Resample at the next service interval to monitor. Tests do not reveal cause for reported problem. 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:** VOLVO0007  
**Unique No:** 10883408  
**Signed:** Don Baldrige  
**Report Date:** 17 Feb 2024

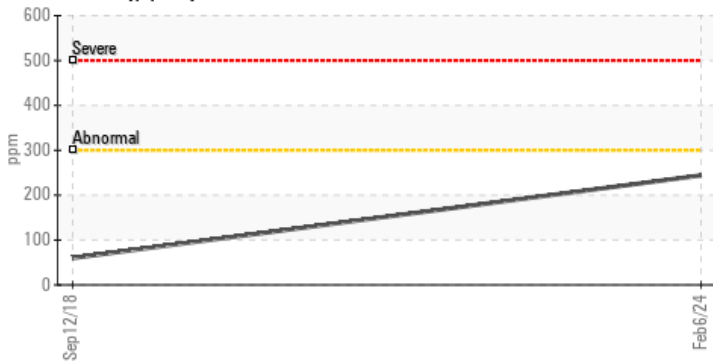


# CONSTRUCTION EQUIPMENT



## GRAPHS

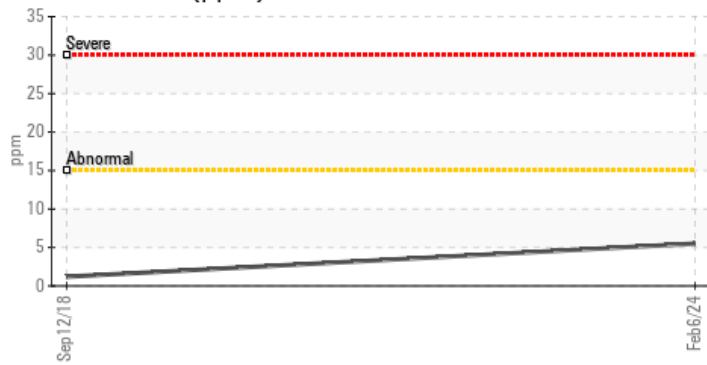
### Iron (ppm)



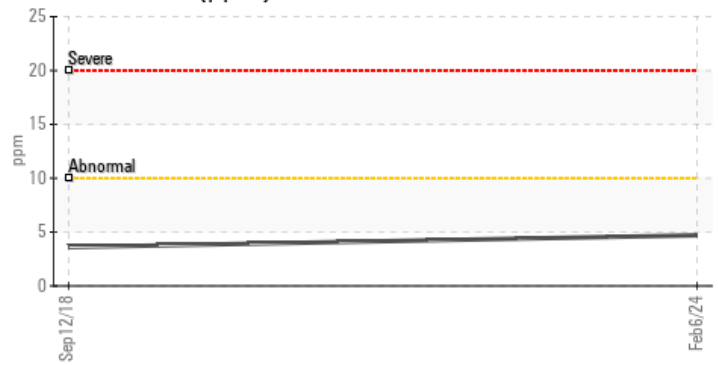
### Lead (ppm)



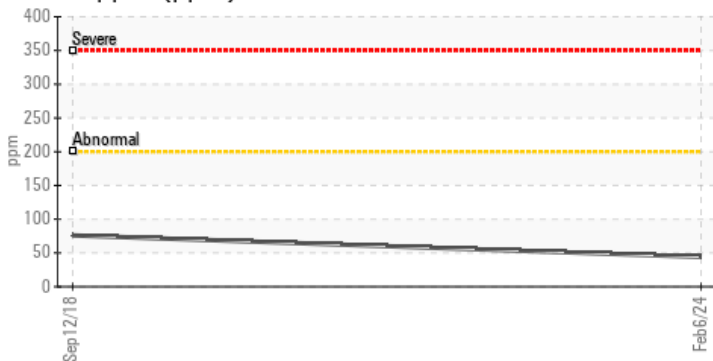
### Aluminum (ppm)



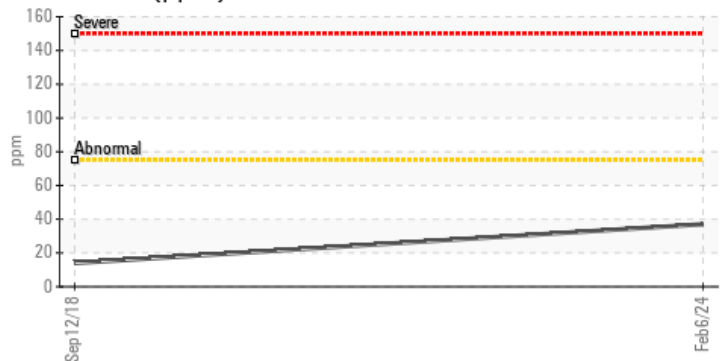
### Chromium (ppm)



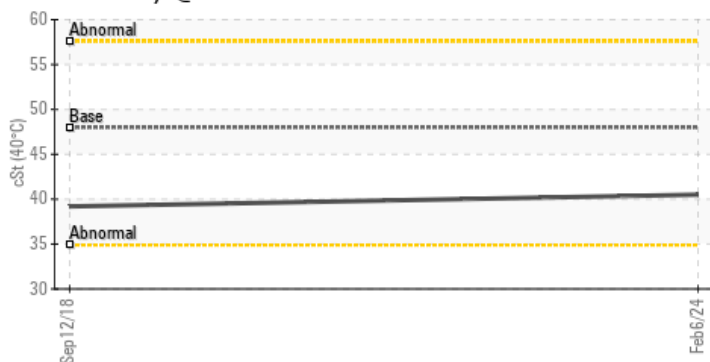
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

