



# CONSTRUCTION EQUIPMENT

SWA526801 ALTER TRAD SENNEBOGEN 825 825.0.3662 - DIESEL ENGINE



**Sample No:** VCP438903  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** SWA526801 ALTER TRAD



## SAMPLE INFORMATION

Sample Number	<b>VCP438903</b>	VCP434852	---	---
Sample Date	<b>17 Apr 2024</b>	01 Feb 2024	---	---
Machine Hours	<b>3968</b>	3608	---	---
Oil Hours	<b>500</b>	500	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

### ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE  
 BLOOMINGTON, IL  
 US 61705  
 Contact: CRAIG WHITEHOUSE  
 craig.whitehouse@altg.com  
 T: (309)255-6706  
 F:



## OIL CONDITION

Visc @ 100°C	cSt	<b>13.9</b>	13.4	---	---
Base Number (BN)	mg KOH/g	<b>9.0</b>	8.6	---	---
Oxidation (PA)	%	<b>57</b>	59	---	---

### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Soot %	%	<b>0.1</b>	0.1	---	---
Nitration (PA)	%	<b>50</b>	53	---	---
Sulfation (PA)	%	<b>51</b>	52	---	---
Glycol	%	<b>NEG</b>	NEG	---	---
Fuel	%	<b>&lt;1.0</b>	<1.0	---	---
Silicon	ppm	<b>5</b>	5	---	---
Sodium	ppm	<b>0</b>	2	---	---
Potassium	ppm	<b>&lt;1</b>	2	---	---



## WEAR METALS

Iron	ppm	<b>10</b>	12	---	---
Copper	ppm	<b>4</b>	<1	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>1</b>	<1	---	---
Chromium	ppm	<b>&lt;1</b>	<1	---	---
Molybdenum	ppm	<b>57</b>	54	---	---
Nickel	ppm	<b>0</b>	0	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>&lt;1</b>	<1	---	---
Vanadium	ppm	<b>0</b>	<1	---	---



## ADDITIVES

Calcium	ppm	<b>1061</b>	984	---	---
Magnesium	ppm	<b>958</b>	939	---	---
Zinc	ppm	<b>1234</b>	1187	---	---
Phosphorus	ppm	<b>1011</b>	986	---	---
Barium	ppm	<b>0</b>	<1	---	---
Boron	ppm	<b>1</b>	2	---	---

**Depot:** VOLVO5054  
**Unique No:** 10993684  
**Signed:** Angela Borella  
**Report Date:** 25 Apr 2024

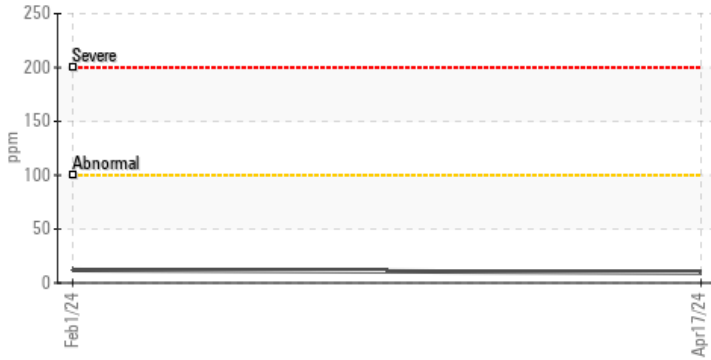


# CONSTRUCTION EQUIPMENT

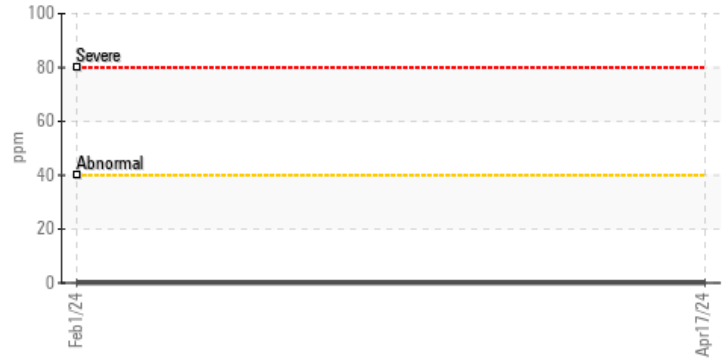


## GRAPHS

### Iron (ppm)



### Lead (ppm)



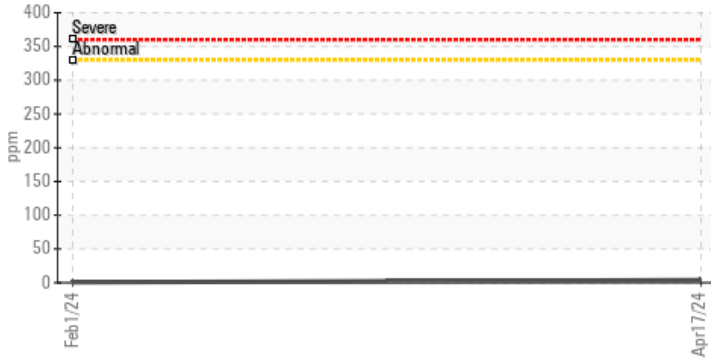
### Aluminum (ppm)



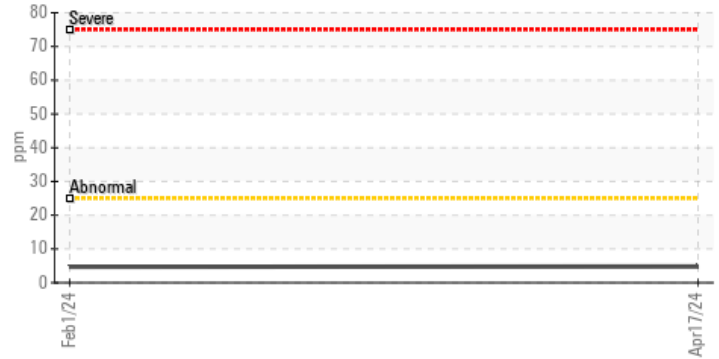
### Chromium (ppm)



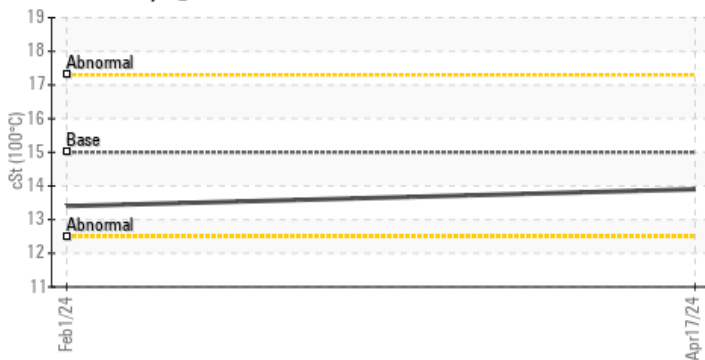
### Copper (ppm)



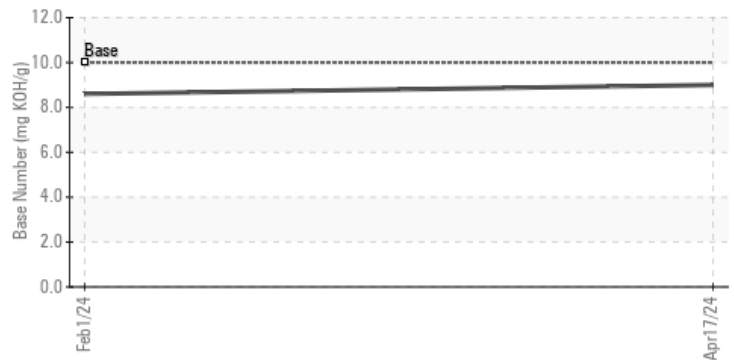
### Silicon (ppm)



### Viscosity @ 100°C



### Base Number





# CONSTRUCTION EQUIPMENT

SWA526801 ALTER TRAD SENNEBOGEN 825 825.0.3662 - HYDRAULIC SYSTEM



**Sample No:** VCP438895  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SWA526801 ALTER TRAD



## SAMPLE INFORMATION

Sample Number	VCP438895	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	3968	---	---	---
Oil Hours	4000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

### ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE  
BLOOMINGTON, IL  
US 61705  
Contact: CRAIG WHITEHOUSE  
craig.whitehouse@altg.com  
T: (309)255-6706  
F:



## OIL CONDITION

Visc @ 40°C	cSt	35.3	---	---	---
Acid Number (AN)	mg KOH/g	1.05	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		4777	---	---	---
Particles >6µm		1222	---	---	---
Particles >14µm		71	---	---	---
ISO 4406:1999 (c)		19/17/13	---	---	---
Silicon	ppm	3	---	---	---
Sodium	ppm	5	---	---	---
Potassium	ppm	2	---	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The AN level is acceptable for this fluid.



## WEAR METALS

Iron	ppm	7	---	---	---
Copper	ppm	3	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	1061	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	632	---	---	---
Phosphorus	ppm	566	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

**Depot:** VOLVO5054  
**Unique No:** 10993857  
**Signed:** Don Baldrige  
**Report Date:** 25 Apr 2024

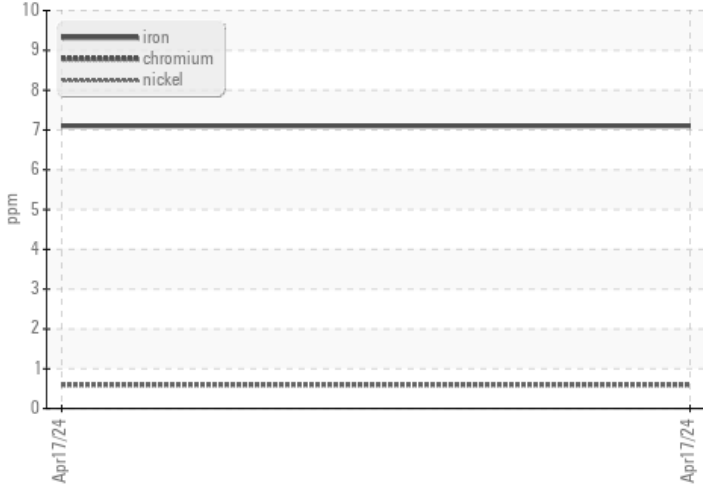


# CONSTRUCTION EQUIPMENT

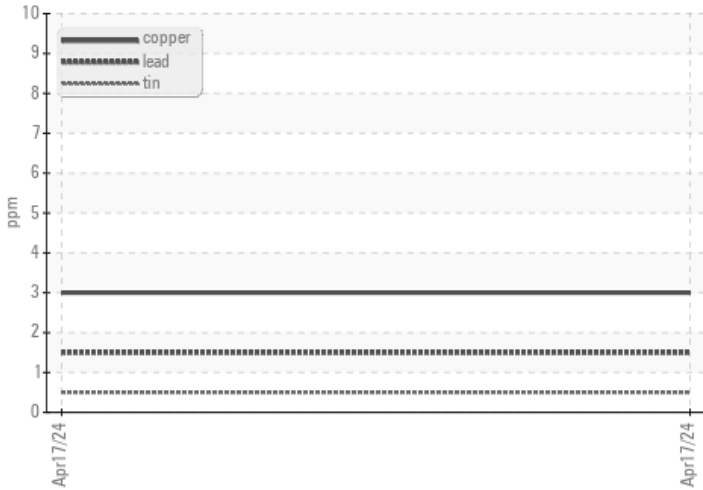


## GRAPHS

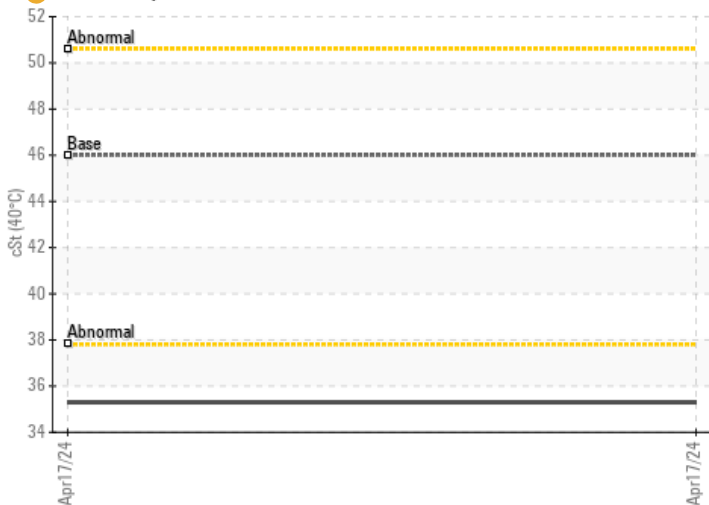
### Ferrous Alloys



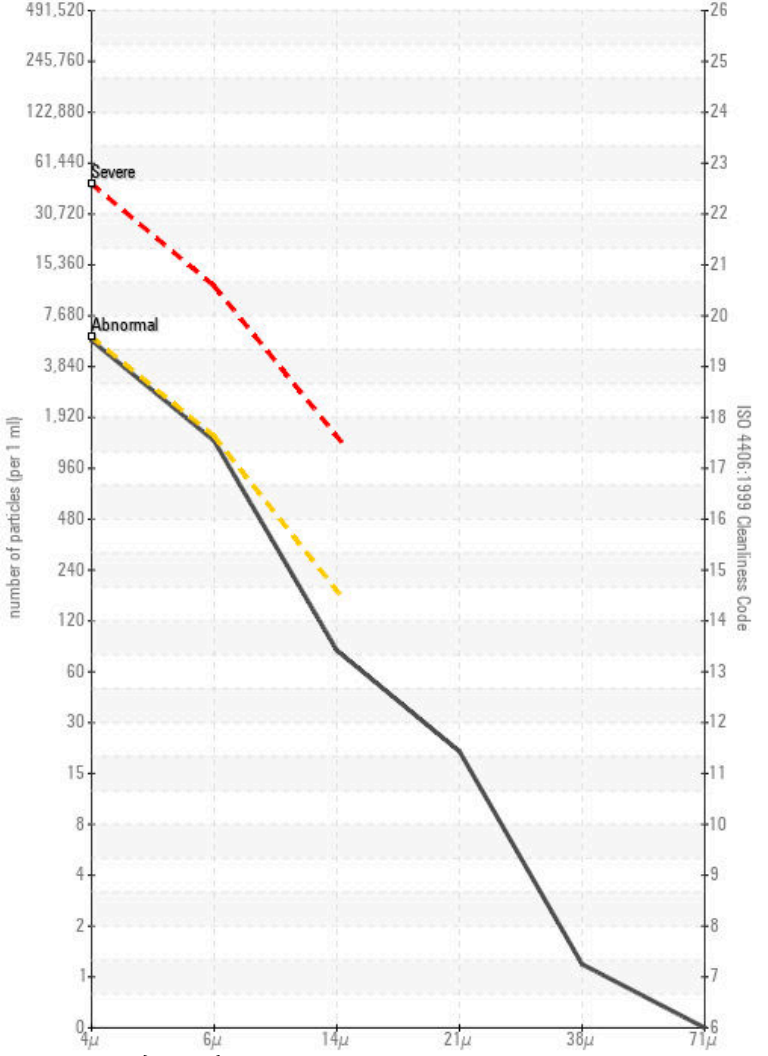
### Non-ferrous Metals



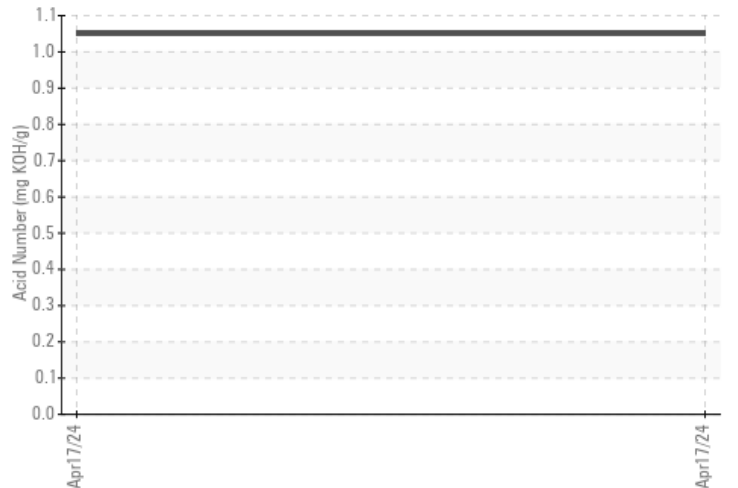
### Viscosity @ 40°C



### Particle Count



### Acid Number



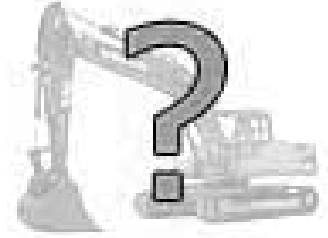


# CONSTRUCTION EQUIPMENT

SWA473379-1 ALTER SENNEBOGEN 825 825.0.3662 - SWING DRIVE



**Sample No:** VCP434854  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SWA473379-1 ALTER



## SAMPLE INFORMATION

Sample Number	VCP434854	---	---	---
Sample Date	01 Feb 2024	---	---	---
Machine Hours	3607	---	---	---
Oil Hours	3607	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

### ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE  
 BLOOMINGTON, IL  
 US 61705

Contact: JUSTIN PERRY  
 justin.perry@altg.com  
 T: (309)533-9285  
 F:



## OIL CONDITION

Visc @ 40°C	cSt	█ 35.1	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 0	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 0	---	---	---



## WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	1101	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 642	---	---	---
Phosphorus	ppm	█ 573	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 0	---	---	---

## 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:** VOLVO5054  
**Unique No:** 10871376  
**Signed:** Wes Davis  
**Report Date:** 09 Feb 2024



# CONSTRUCTION EQUIPMENT

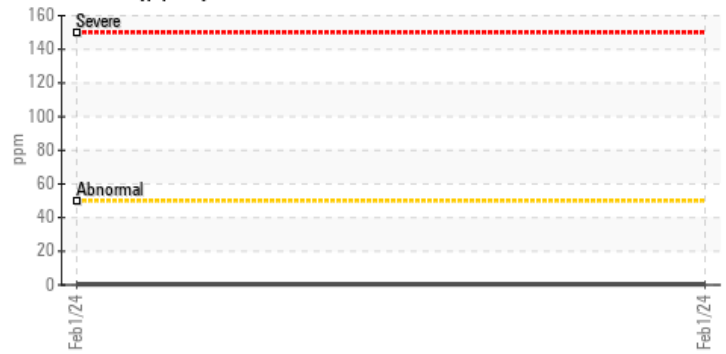


## GRAPHS

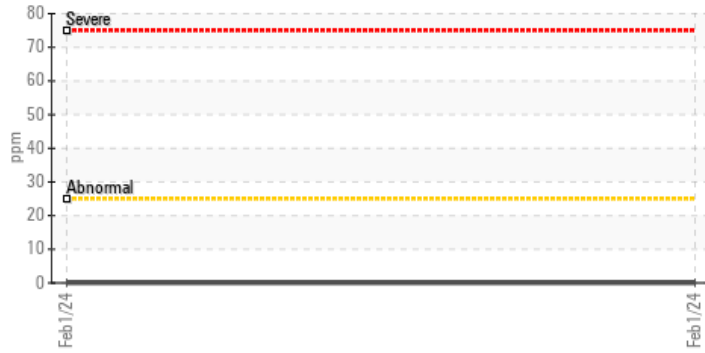
### Iron (ppm)



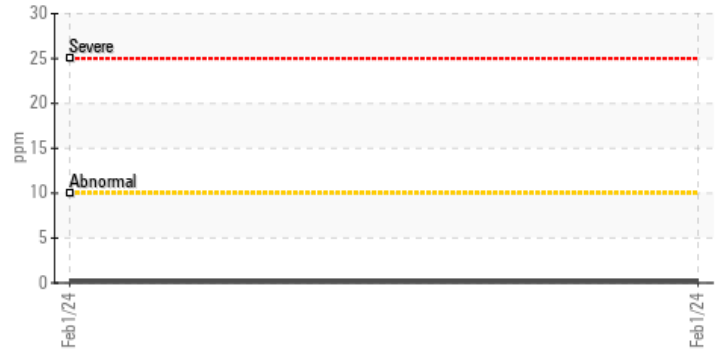
### Lead (ppm)



### Aluminum (ppm)



### Chromium (ppm)



### Copper (ppm)



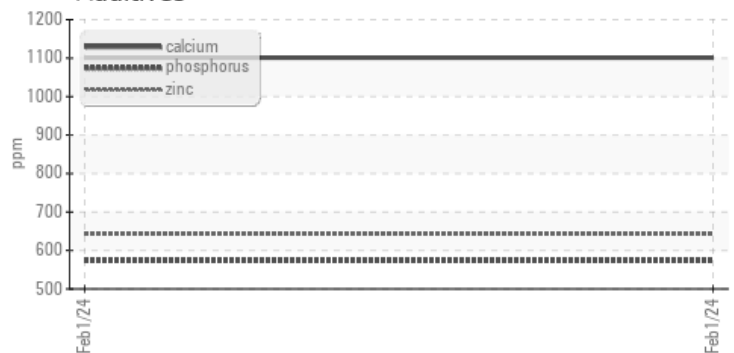
### Silicon (ppm)



### Viscosity @ 40°C



### Additives







# CONSTRUCTION EQUIPMENT

SWA526801 SENNEBOGEN 825 825.0.3662 - FRONT LEFT FINAL DRIVE



**Sample No:** VCP438911  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SWA526801



## SAMPLE INFORMATION

Sample Number	VCP438911	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	3968	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE  
 BLOOMINGTON, IL  
 US 61705

Contact: CRAIG WHITEHOUSE  
 craig.whitehouse@altg.com

T: (309)255-6706

F:



## OIL CONDITION

Visc @ 40°C	cSt	█ 139	---	---	---
-------------	-----	-------	-----	-----	-----



## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	█ 15	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 213	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 109	---	---	---
Phosphorus	ppm	1818	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 137	---	---	---

## 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:** VOLVO5054

**Unique No:** 10993988

**Signed:** Wes Davis

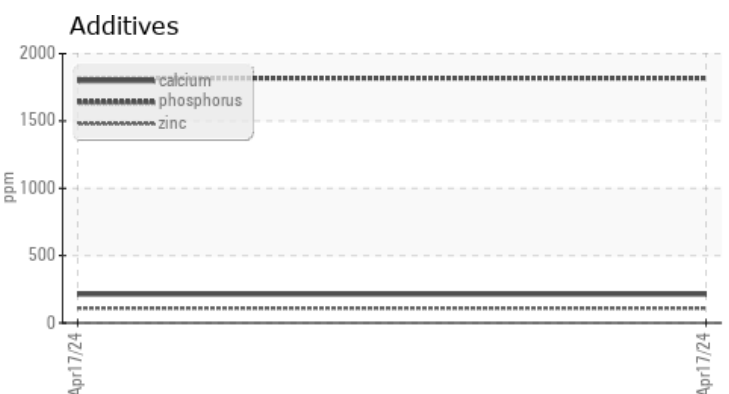
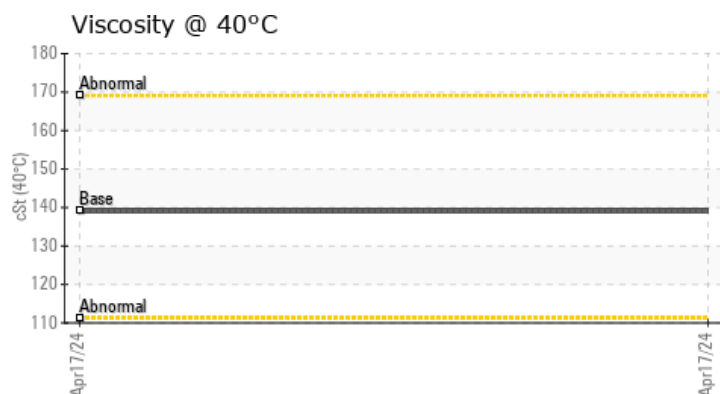
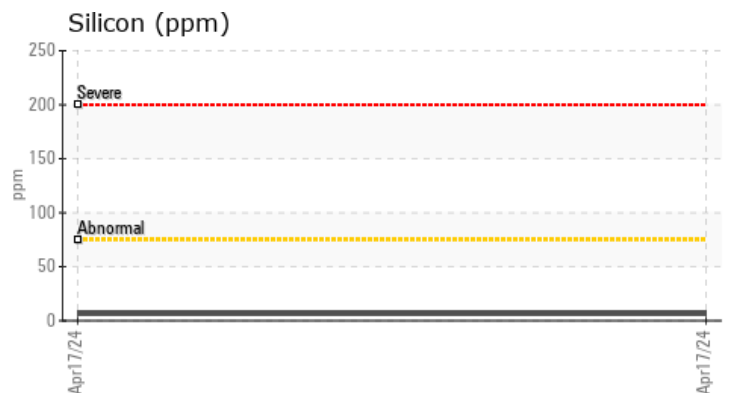
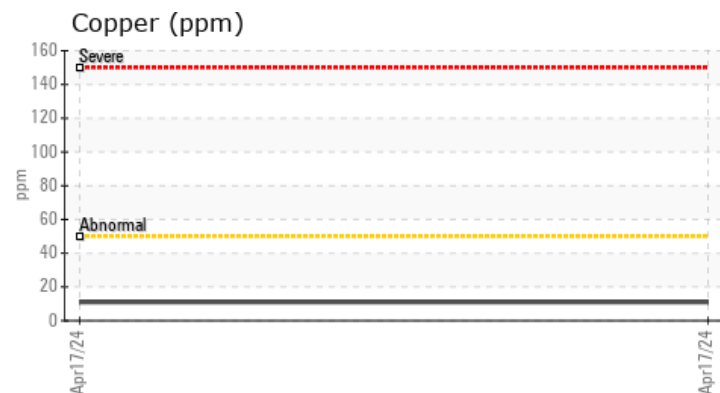
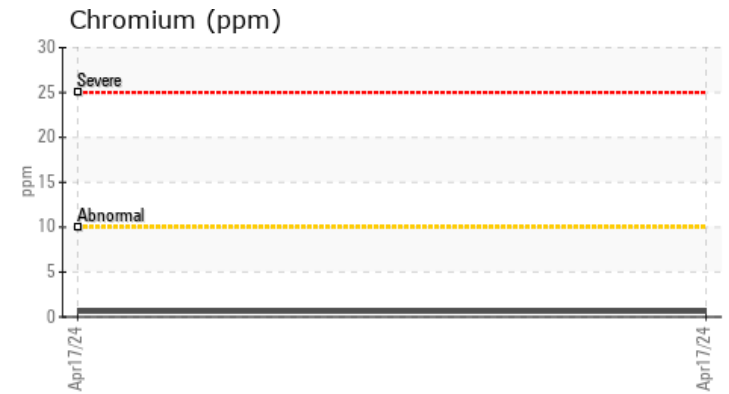
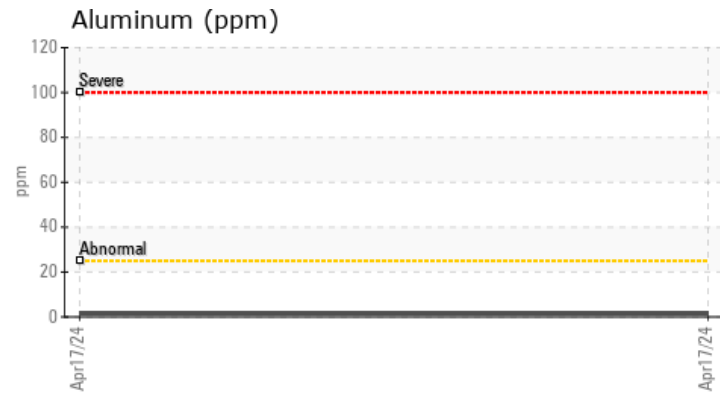
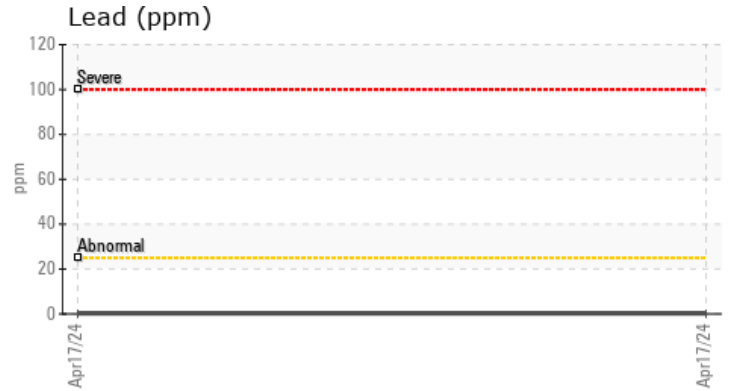
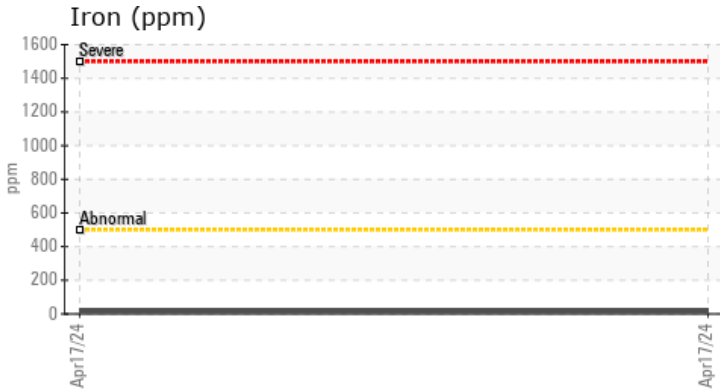
**Report Date:** 25 Apr 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS







# CONSTRUCTION EQUIPMENT

SWA526801 ALTER SENNEBOGEN 825 825.0.3662 - FRONT AXLE



**Sample No:** VCP438909  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SWA526801 ALTER



## SAMPLE INFORMATION

Sample Number	VCP438909	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	3968	---	---	---
Oil Hours	4000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE  
BLOOMINGTON, IL  
US 61705  
Contact: MIKE MARTIN  
mike.martin@altaequipment.com  
T:  
F:



## OIL CONDITION

Visc @ 40°C	cSt	█ 143	---	---	---
-------------	-----	-------	-----	-----	-----



## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ <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	█ 4	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 10	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 15	---	---	---
Phosphorus	ppm	█ 1968	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 194	---	---	---

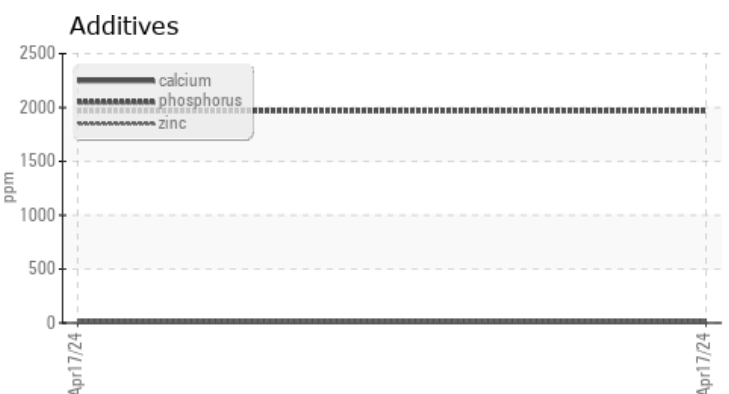
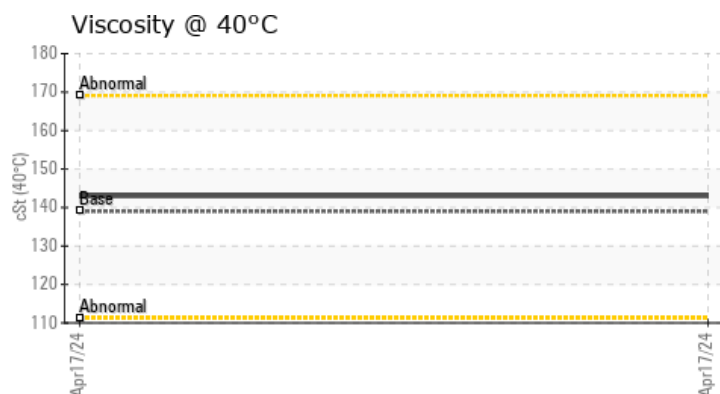
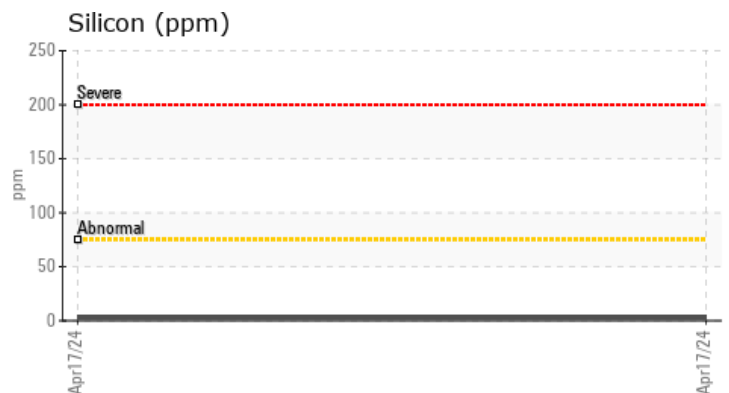
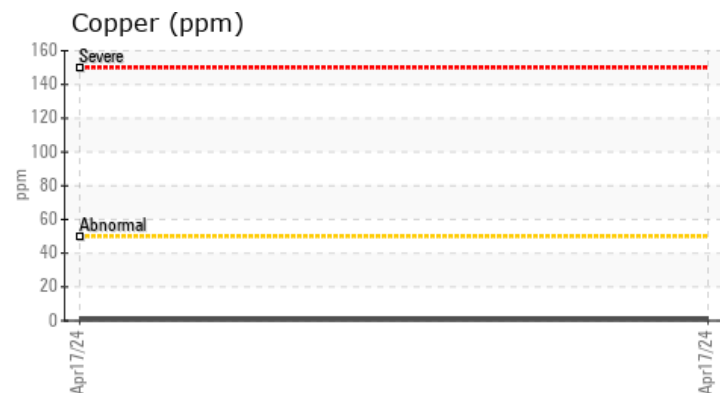
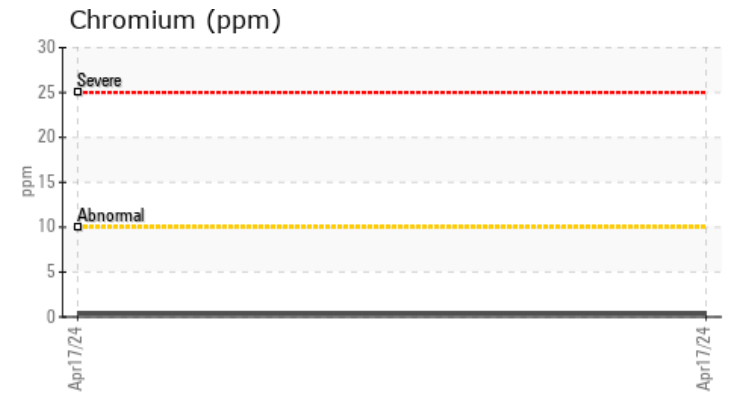
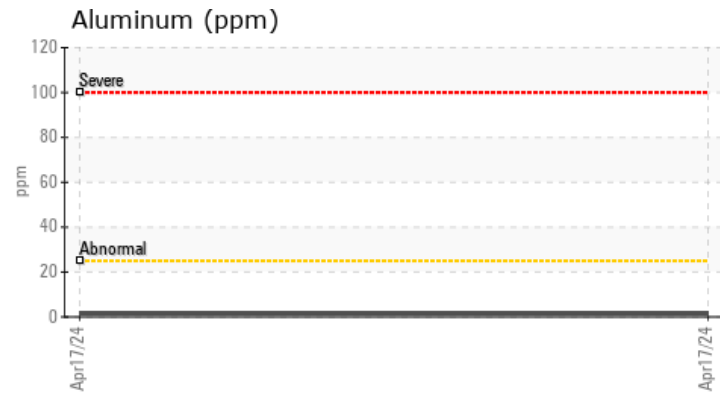
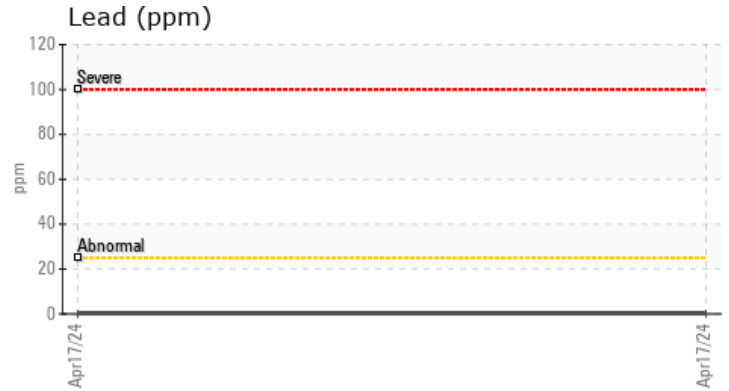
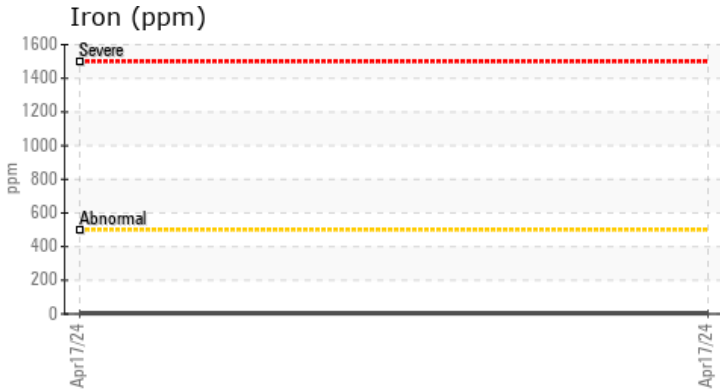
**Depot:** VOLVO5054  
**Unique No:** 10993994  
**Signed:** Don Baldrige  
**Report Date:** 25 Apr 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS





# CONSTRUCTION EQUIPMENT

SWA526801 ALTER SENNEBOGEN 825 825.0.3662 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP438907  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SWA526801 ALTER



## SAMPLE INFORMATION

Sample Number	VCP438907	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	3968	---	---	---
Oil Hours	4000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE  
BLOOMINGTON, IL  
US 61705

Contact: CRAIG WHITEHOUSE  
craig.whitehouse@altg.com

T: (309)255-6706

F:



## OIL CONDITION

Visc @ 40°C	cSt	█ 141	---	---	---
-------------	-----	-------	-----	-----	-----



## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 9	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	█ 26	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 236	---	---	---
Magnesium	ppm	█ 7	---	---	---
Zinc	ppm	█ 124	---	---	---
Phosphorus	ppm	2471	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 188	---	---	---

### 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:** VOLVO5054

**Unique No:** 10993989

**Signed:** Wes Davis

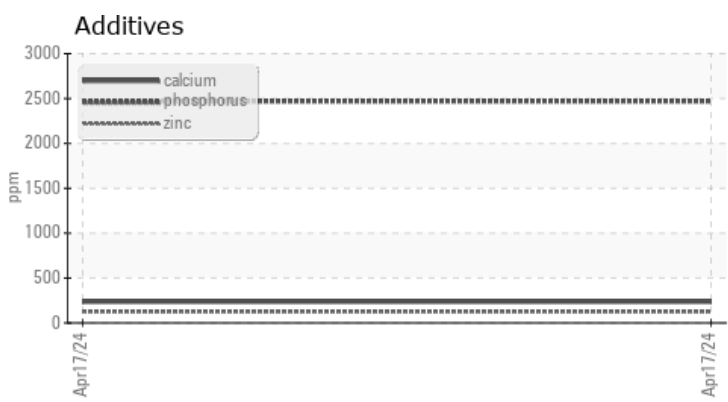
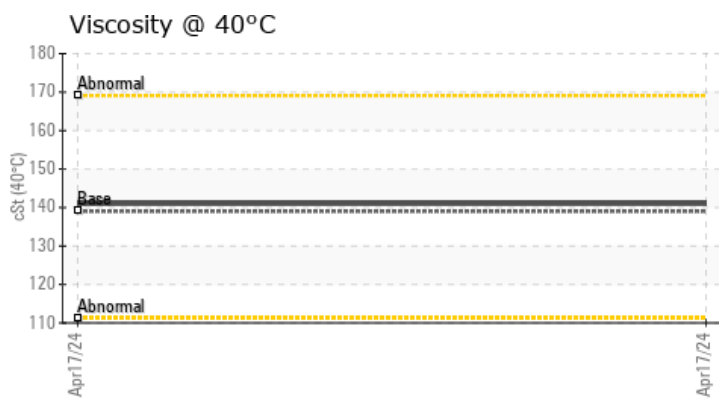
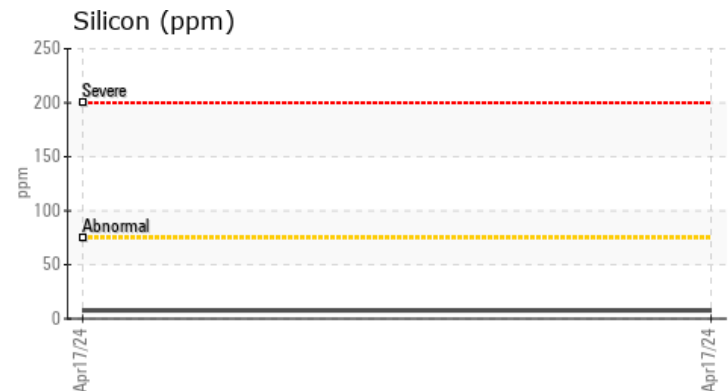
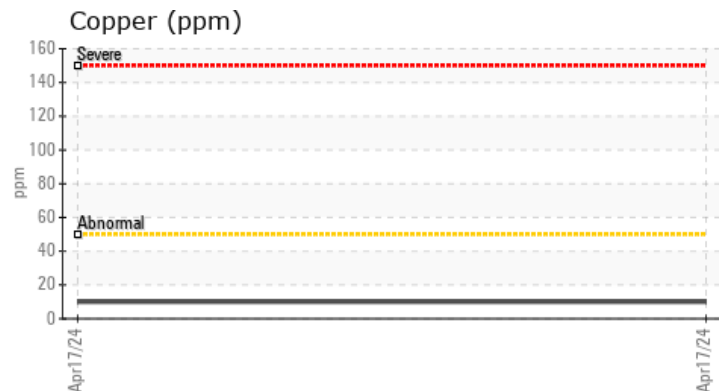
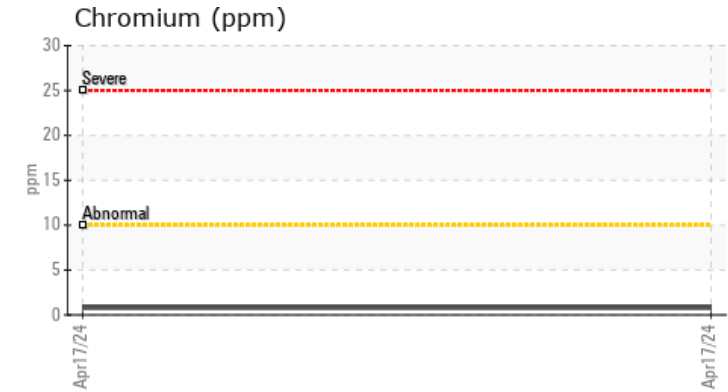
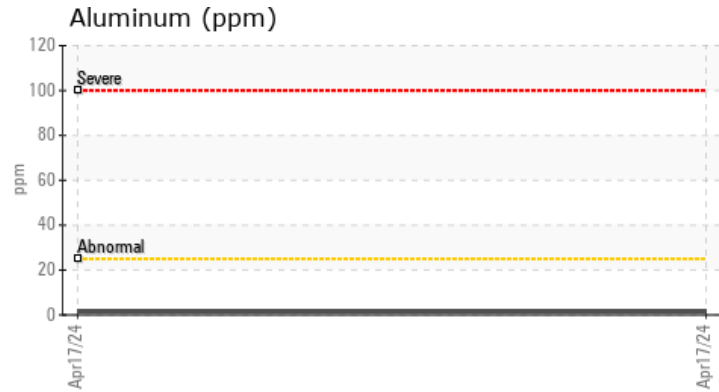
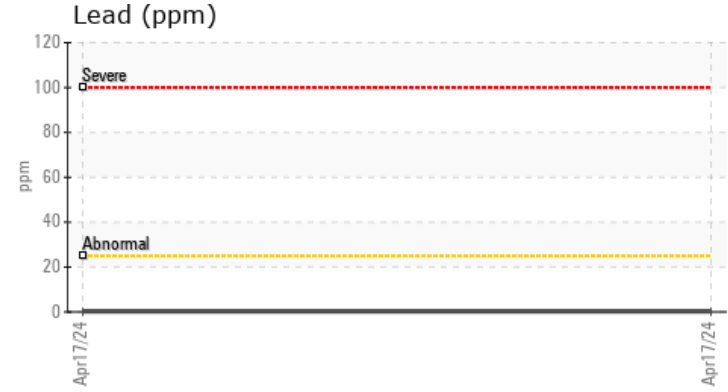
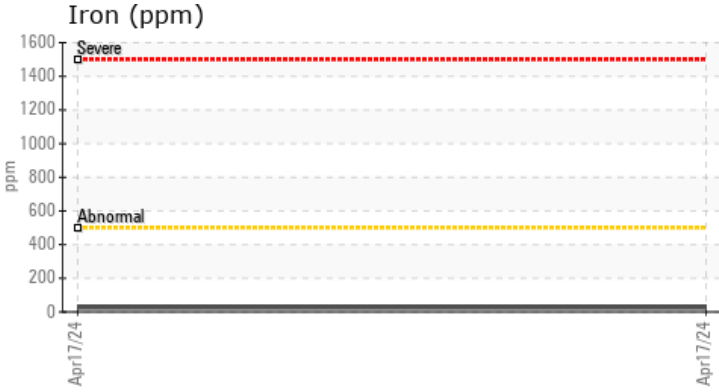
**Report Date:** 25 Apr 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS



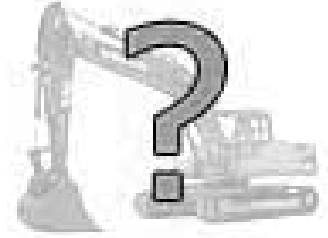


# CONSTRUCTION EQUIPMENT

SWA526801 ALTER SENNEBOGEN 825 825.0.3662 - REAR LEFT FINAL DRIVE



**Sample No:** VCP438912  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SWA526801 ALTER



## SAMPLE INFORMATION

Sample Number	VCP438912	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	3968	---	---	---
Oil Hours	4000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE  
BLOOMINGTON, IL  
US 61705

Contact: CRAIG WHITEHOUSE  
craig.whitehouse@altg.com

T: (309)255-6706

F:



## OIL CONDITION

Visc @ 40°C	cSt	█ 147	---	---	---
-------------	-----	-------	-----	-----	-----



## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 82	---	---	---
Magnesium	ppm	█ 19	---	---	---
Zinc	ppm	█ 47	---	---	---
Phosphorus	ppm	1942	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 138	---	---	---

## 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:** VOLVO5054

**Unique No:** 10993992

**Signed:** Wes Davis

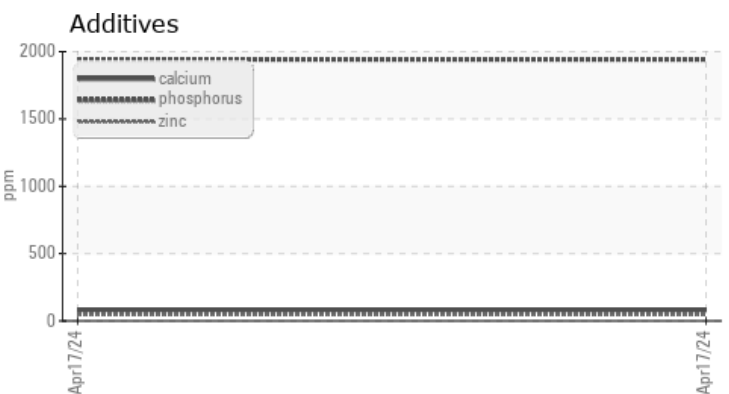
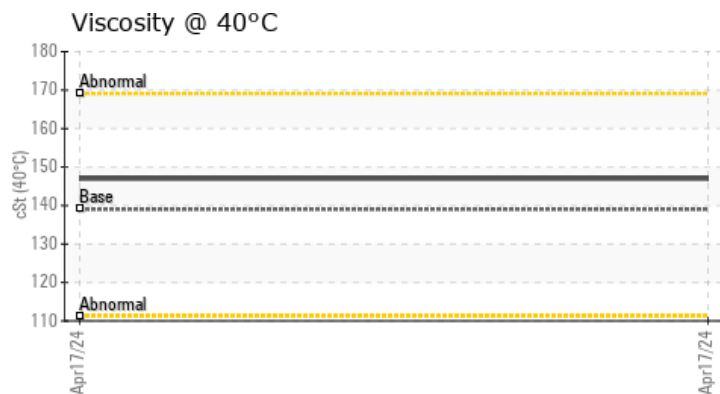
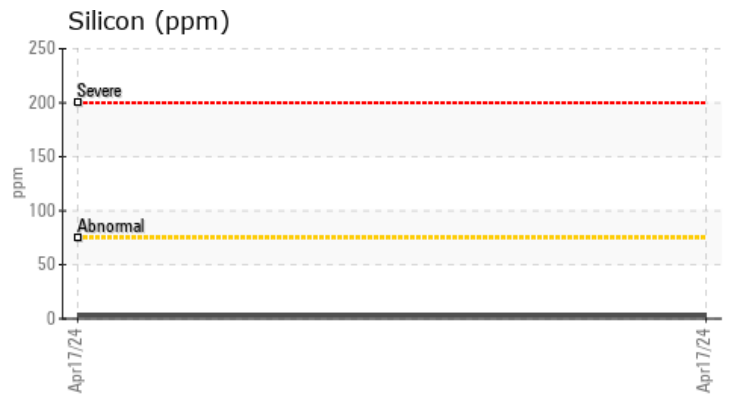
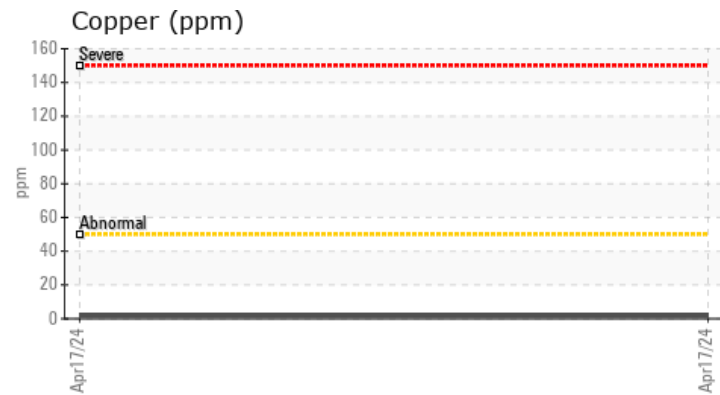
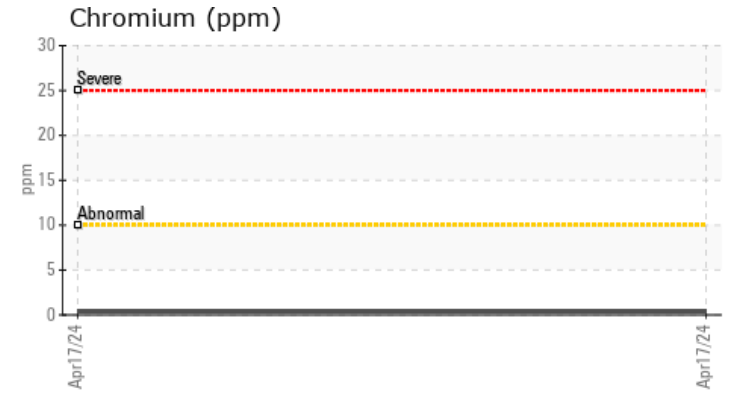
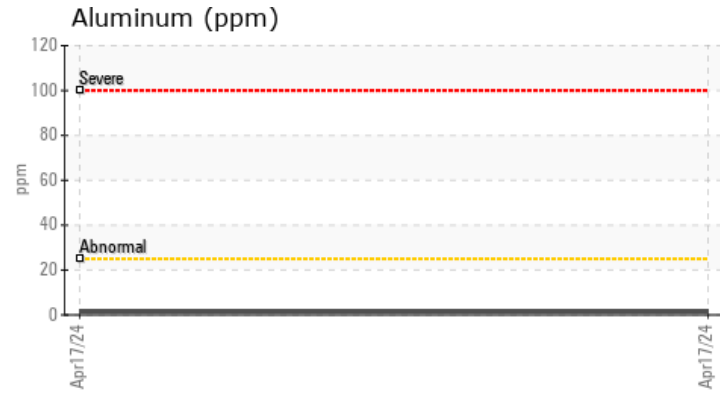
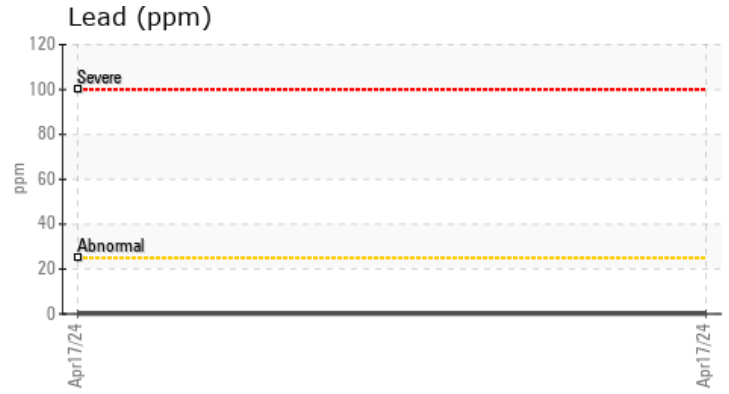
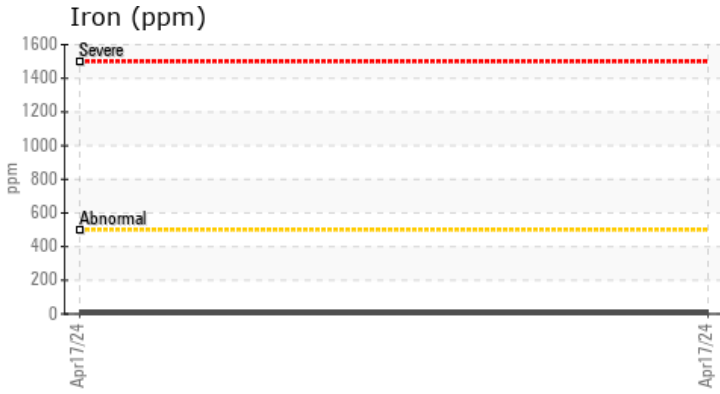
**Report Date:** 25 Apr 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS







# CONSTRUCTION EQUIPMENT

SWA526801 ALTER SENNEBOGEN 825 825.0.3662 - REAR AXLE



**Sample No:** VCP438906  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SWA526801 ALTER



## SAMPLE INFORMATION

Sample Number	VCP438906	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	3968	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE  
BLOOMINGTON, IL  
US 61705

Contact: CRAIG WHITEHOUSE  
craig.whitehouse@altg.com

T: (309)255-6706

F:



## OIL CONDITION

Visc @ 40°C	cSt	█ 147	---	---	---
-------------	-----	-------	-----	-----	-----



## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 56	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	█ 31	---	---	---
Phosphorus	ppm	1909	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 142	---	---	---

## 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:** VOLVO5054

**Unique No:** 10993990

**Signed:** Wes Davis

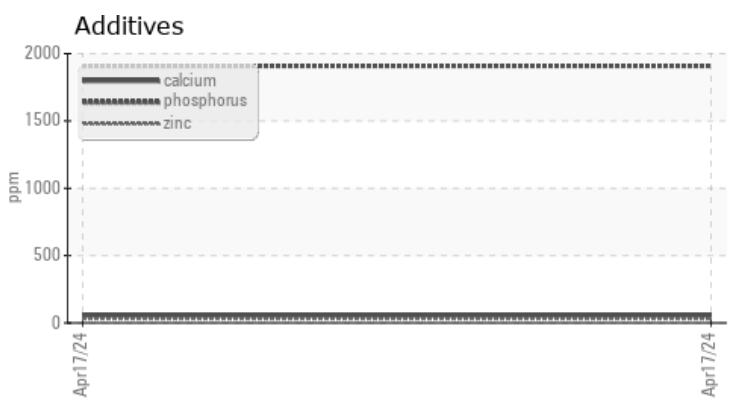
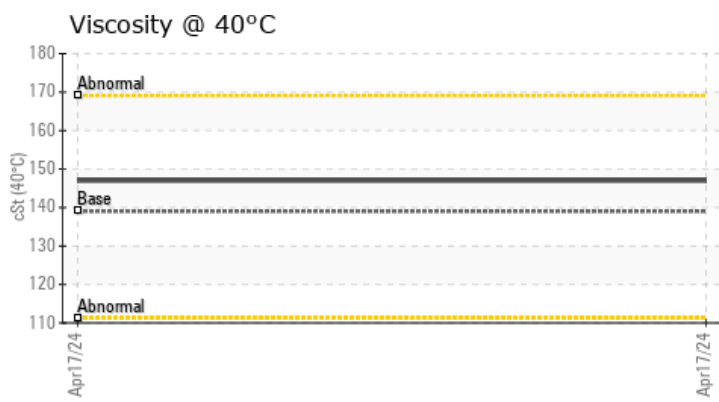
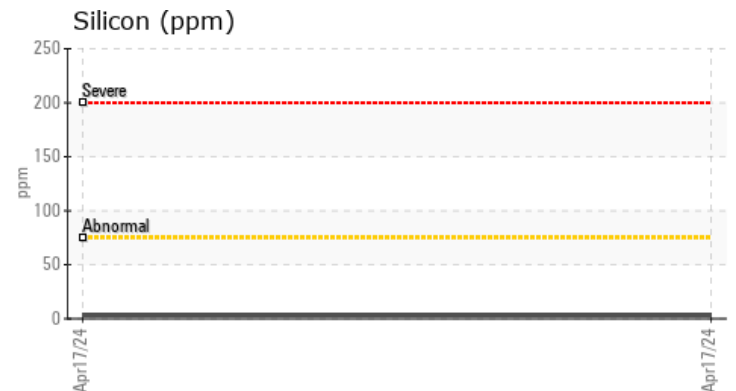
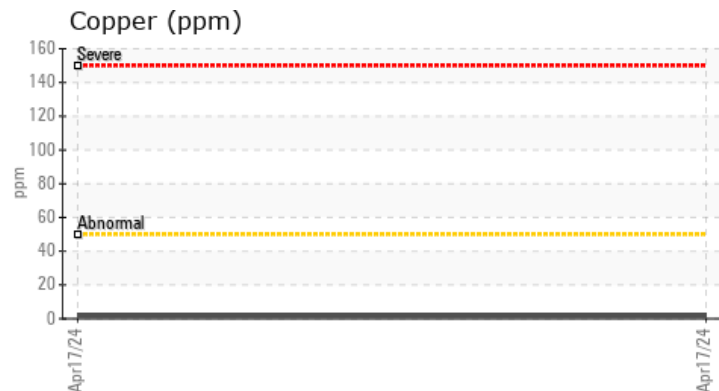
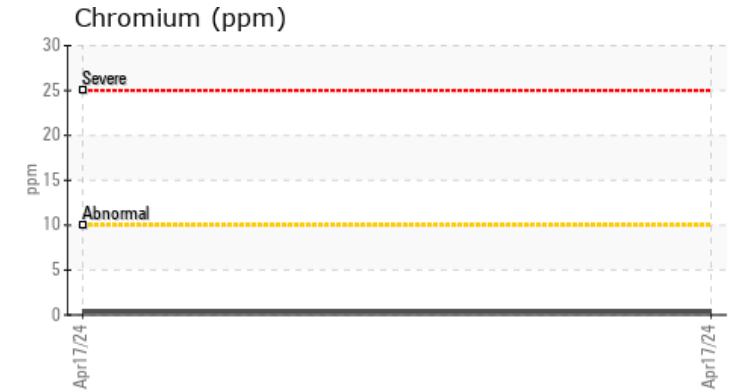
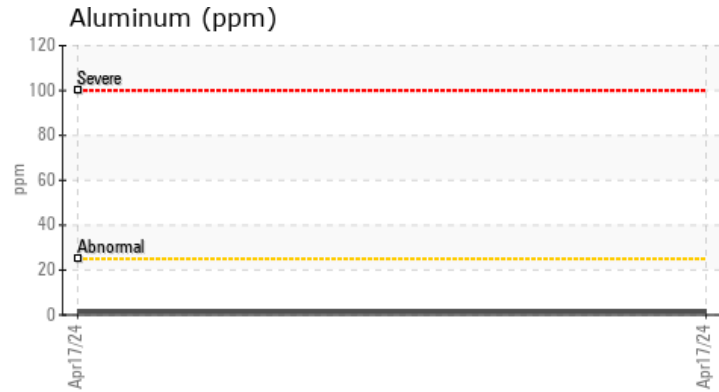
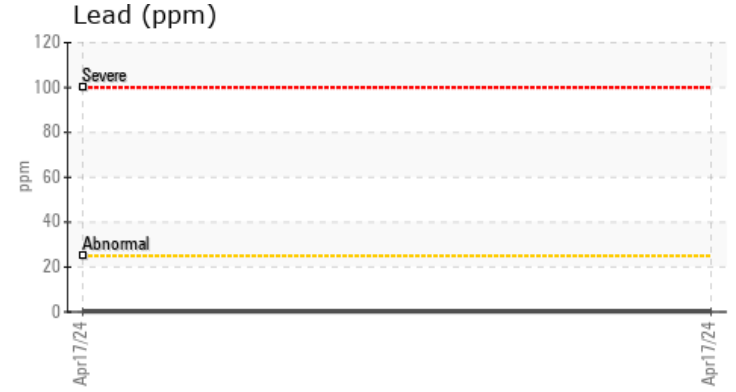
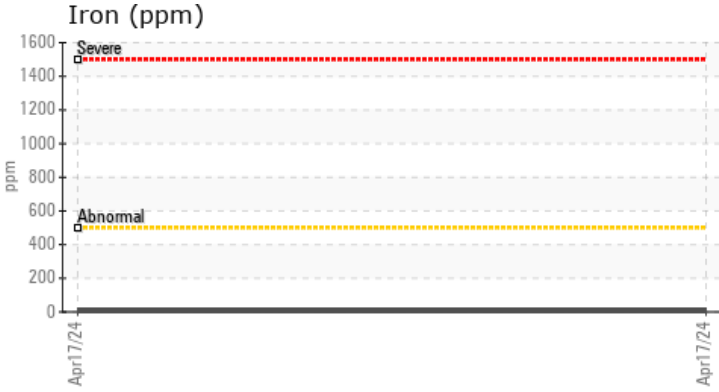
**Report Date:** 25 Apr 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS





# CONSTRUCTION EQUIPMENT

SWA526801 ALTER SENNEBOGEN 825 825.0.3662 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP438905  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SWA526801 ALTER



## SAMPLE INFORMATION

Sample Number	VCP438905	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	3968	---	---	---
Oil Hours	4000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE  
 BLOOMINGTON, IL  
 US 61705  
 Contact: MIKE MARTIN  
 mike.martin@altaequipment.com  
 T:  
 F:



## OIL CONDITION

Visc @ 40°C	cSt	█ 147	---	---	---
-------------	-----	-------	-----	-----	-----



## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---



## WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 54	---	---	---
Magnesium	ppm	█ 7	---	---	---
Zinc	ppm	█ 30	---	---	---
Phosphorus	ppm	1939	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 143	---	---	---

### 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.

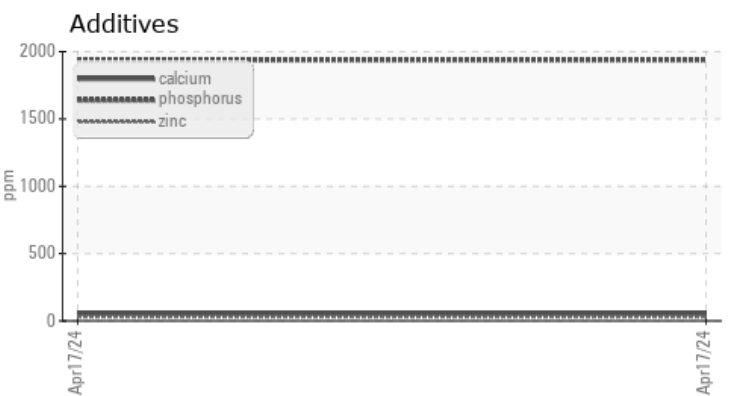
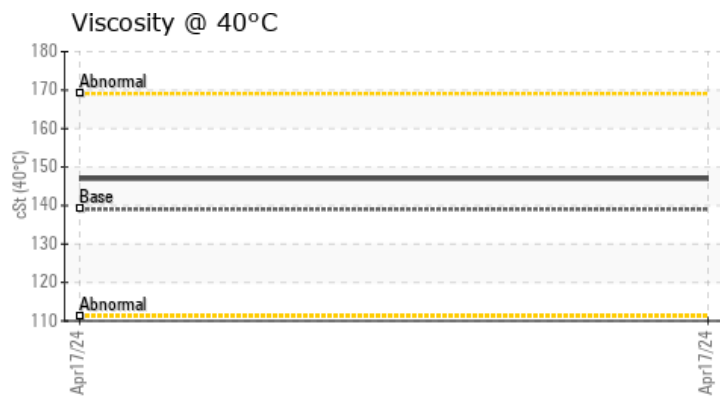
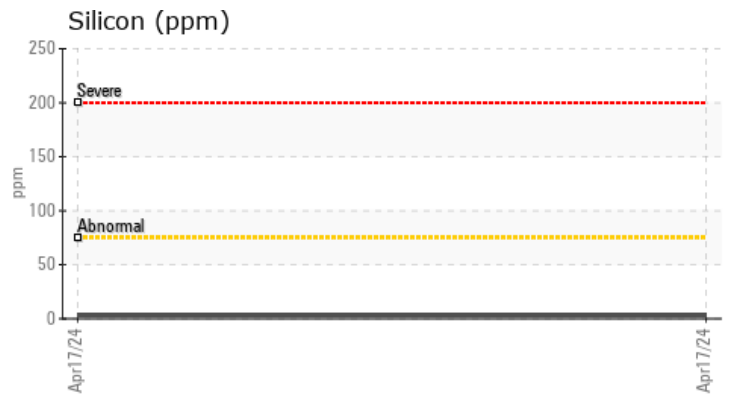
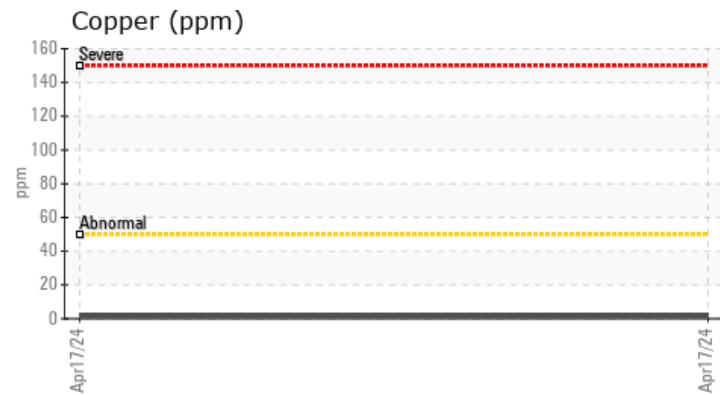
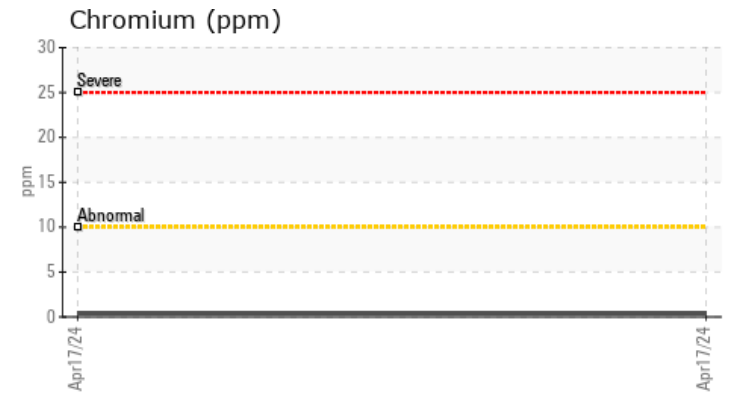
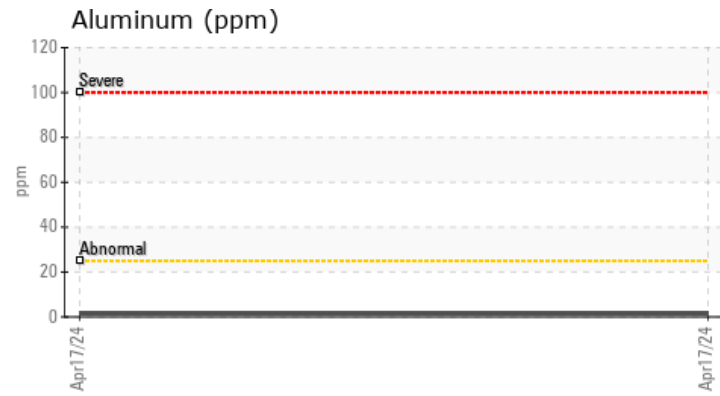
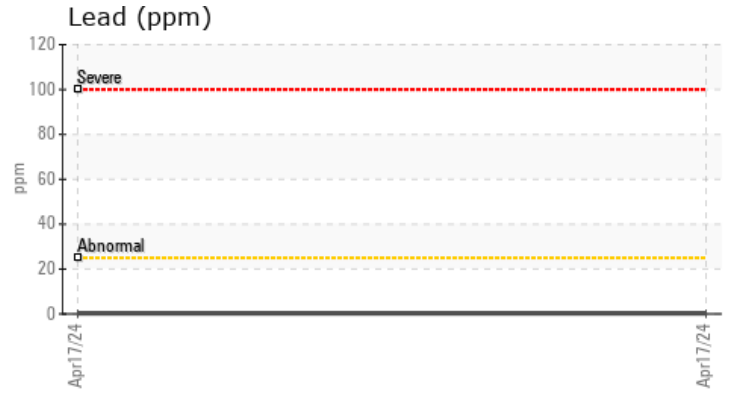
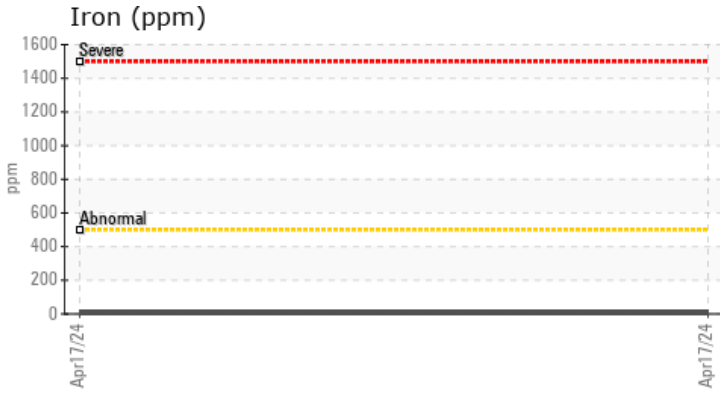
**Depot:** VOLVO5054  
**Unique No:** 10993993  
**Signed:** Wes Davis  
**Report Date:** 25 Apr 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS



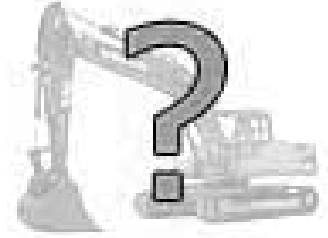


# CONSTRUCTION EQUIPMENT

SWA526801 ALTER SENNEBOGEN 825 825.0.3662 - DROP BOX



**Sample No:** VCP454259  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** SWA526801 ALTER



## SAMPLE INFORMATION

Sample Number	VCP454259	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	3968	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

## ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE  
 BLOOMINGTON, IL  
 US 61705  
 Contact: CRAIG WHITEHOUSE  
 craig.whitehouse@altg.com  
 T: (309)255-6706  
 F:



## OIL CONDITION

Visc @ 40°C	cSt	█ 65.4	---	---	---
-------------	-----	--------	-----	-----	-----



## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 16	---	---	---
Potassium	ppm	█ 3	---	---	---



## WEAR METALS

Iron	ppm	█ 15	---	---	---
Copper	ppm	█ 20	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 29	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 1730	---	---	---
Magnesium	ppm	█ 616	---	---	---
Zinc	ppm	█ 1072	---	---	---
Phosphorus	ppm	█ 1017	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 37	---	---	---

## 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:** VOLVO5054  
**Unique No:** 10993991  
**Signed:** Don Baldrige  
**Report Date:** 25 Apr 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

