



# CONSTRUCTION EQUIPMENT

SPM702435 AMG SENNEBOGEN 830ME 830.0.2822 - FRONT LEFT FINAL DRIVE



**Sample No:** VCP446171  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM702435 AMG



## SAMPLE INFORMATION

Sample Number	VCP446171	VCP429097	---	---
Sample Date	23 Apr 2024	03 Feb 2024	---	---
Machine Hours	9464	9464	---	---
Oil Hours	0	1000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

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F:



## OIL CONDITION

Visc @ 40°C	cSt	█ 116	● 54.6	---	---
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## CONTAMINATION

Water	%	NEG	█ 0.122	---	---
Silicon	ppm	█ 6	█ 9	---	---
Sodium	ppm	█ 8	█ 19	---	---
Potassium	ppm	█ 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	█ 103	█ 137	---	---
Copper	ppm	█ 18	█ 40	---	---
Lead	ppm	█ 0	█ 1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 0	█ 1	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ 0	█ 0	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 2	█ 3	---	---
Vanadium	ppm	<1	0	---	---



## ADDITIVES

Calcium	ppm	█ 1010	● 3130	---	---
Magnesium	ppm	█ 3	█ 12	---	---
Zinc	ppm	█ 447	● 1367	---	---
Phosphorus	ppm	█ 666	█ 1064	---	---
Barium	ppm	█ 0	█ <1	---	---
Boron	ppm	█ 19	█ 94	---	---

**Depot:** VOLVO8885  
**Unique No:** 11030509  
**Signed:** Don Baldrige  
**Report Date:** 16 May 2024

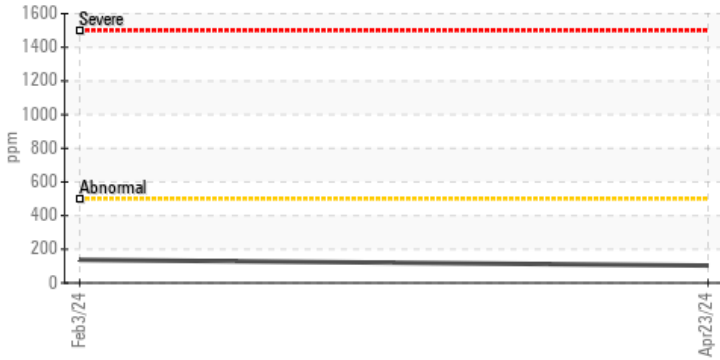


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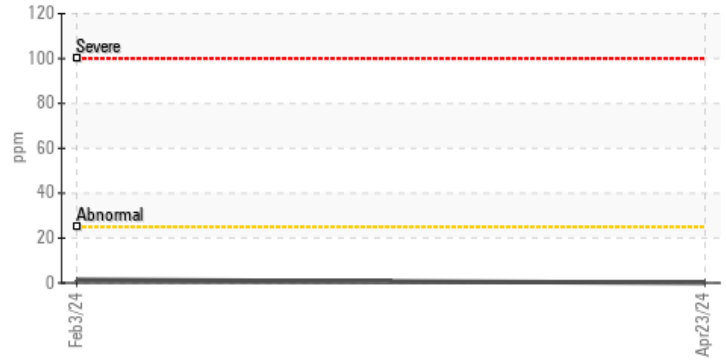


## GRAPHS

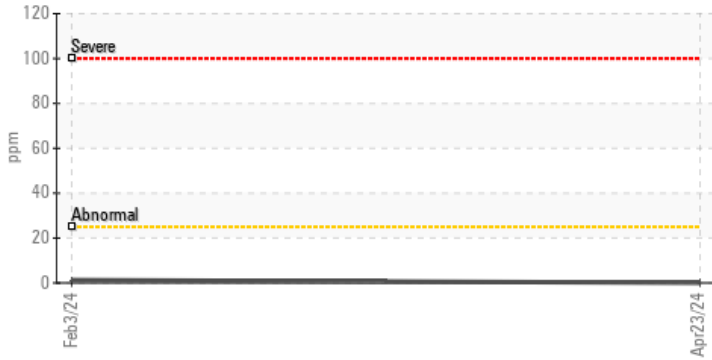
### Iron (ppm)



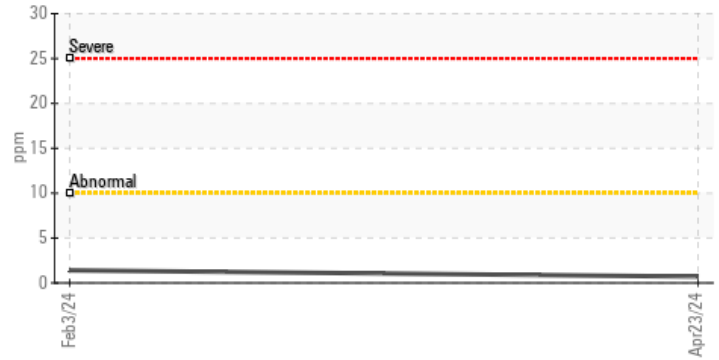
### Lead (ppm)



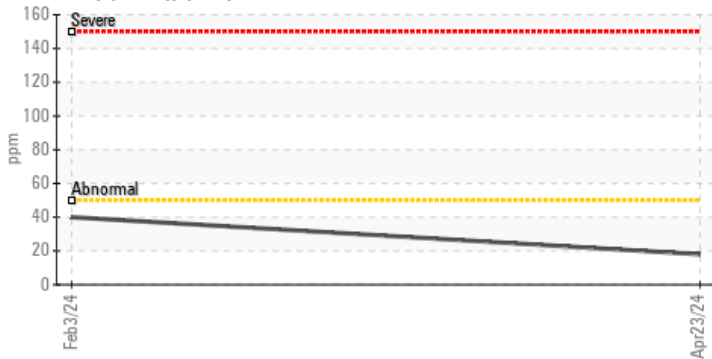
### Aluminum (ppm)



### Chromium (ppm)



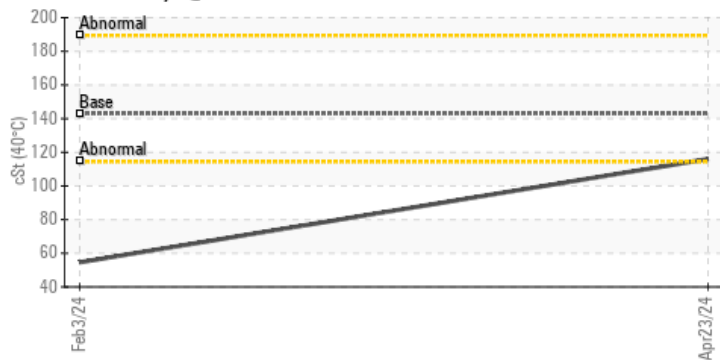
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

