



# CONSTRUCTION EQUIPMENT

SWA524531 UNIV SCRAP SENNEBOGEN 825M 825.0.1969 - DIESEL ENGINE



**Sample No:** VCP436075  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SWA524531 UNIV SCRAP



## SAMPLE INFORMATION

Sample Number	VCP436075	---	---	---
Sample Date	02 Apr 2024	---	---	---
Machine Hours	2745	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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5000 INDUSTRIAL HWY  
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US 46406  
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DAVE.ENG@ALTG.COM  
T: (312)350-2560  
F:



## OIL CONDITION

Visc @ 100°C	cSt	● 11.4	---	---	---
Base Number (BN)	mg KOH/g	■ 8.6	---	---	---
Oxidation (PA)	%	■ 69	---	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Cylinder, crank, or cam shaft wear is indicated. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



## CONTAMINATION

Water	%	■ NEG	---	---	---
Soot %	%	■ 1	---	---	---
Nitration (PA)	%	■ 76	---	---	---
Sulfation (PA)	%	■ 58	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 0.1	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 2	---	---	---



## WEAR METALS

Iron	ppm	▲ 101	---	---	---
Copper	ppm	■ 38	---	---	---
Lead	ppm	■ 8	---	---	---
Tin	ppm	■ 4	---	---	---
Aluminum	ppm	■ 7	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 59	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	< 1	---	---	---



## ADDITIVES

Calcium	ppm	■ 1157	---	---	---
Magnesium	ppm	■ 922	---	---	---
Zinc	ppm	■ 1340	---	---	---
Phosphorus	ppm	■ 1054	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 3	---	---	---

**Depot:** VOLVO8885  
**Unique No:** 10964413  
**Signed:** Jonathan Hester  
**Report Date:** 09 Apr 2024

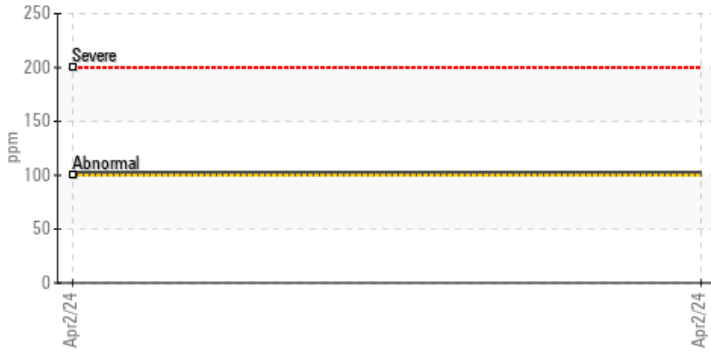


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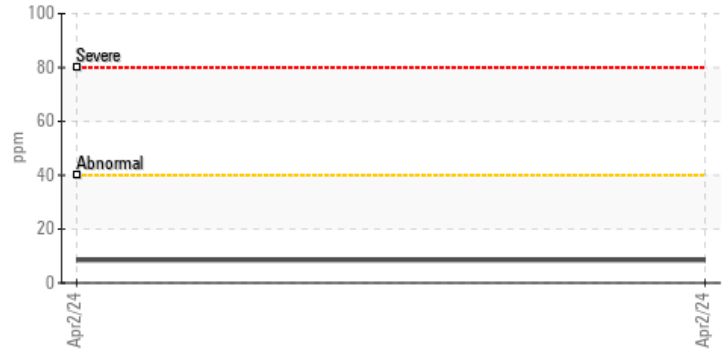


## GRAPHS

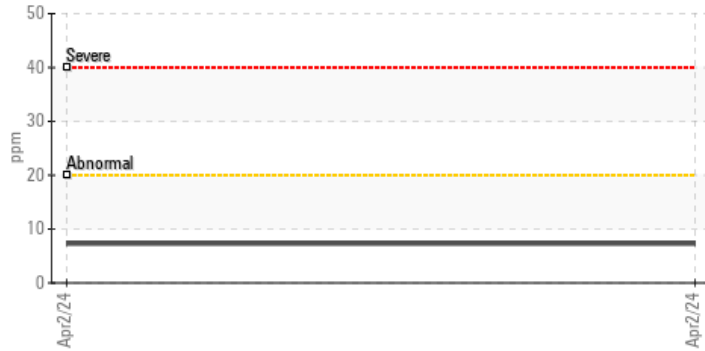
### ▲ Iron (ppm)



### Lead (ppm)



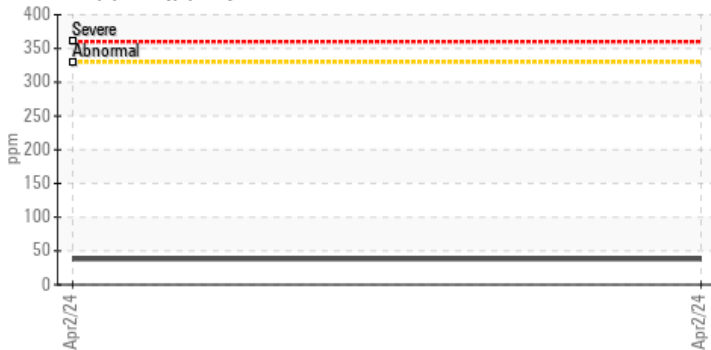
### Aluminum (ppm)



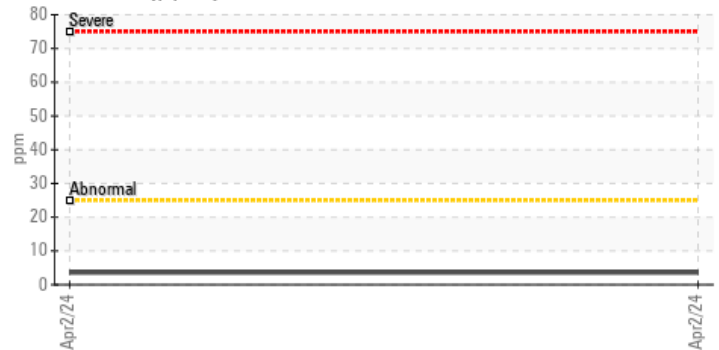
### Chromium (ppm)



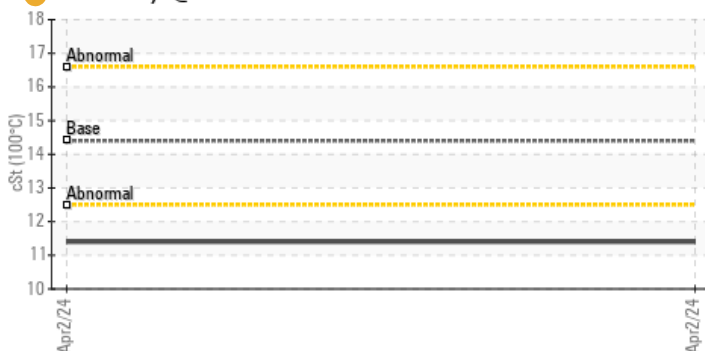
### Copper (ppm)



### Silicon (ppm)



### ● Viscosity @ 100°C



### Base Number

