



# CONSTRUCTION EQUIPMENT

SPM674034 SENNEBOGEN 835E 835.0.3239 - DIESEL ENGINE



**Sample No:** VCP429205  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM674034



## SAMPLE INFORMATION

Sample Number	VCP429205	VCP433388	---	---
Sample Date	15 Feb 2024	17 Dec 2023	---	---
Machine Hours	991	547	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

### BELSON STEEL

1685 N STATE RTE 50  
BOURBONNAIS, IL  
US 60914  
Contact: M. POZAN  
mpozan@belsonsteel.com  
T: (815)932-7416  
F:



## OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	▲ 11.0	---	---
Base Number (BN)	mg KOH/g	█ 8.9	█ 5.8	---	---
Oxidation (PA)	%	68	71	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	70	86	---	---
Sulfation (PA)	%	54	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	▲ 2.1	---	---
Silicon	ppm	█ 4	█ 16	---	---
Sodium	ppm	█ <1	█ 4	---	---
Potassium	ppm	█ 12	█ 51	---	---



## WEAR METALS

Iron	ppm	█ 10	█ 18	---	---
Copper	ppm	█ 2	█ 14	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 4	█ 16	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 59	█ 74	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	█ <1	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 1	█ 6	---	---
Vanadium	ppm	<1	0	---	---



## ADDITIVES

Calcium	ppm	█ 1005	█ 2059	---	---
Magnesium	ppm	█ 828	█ 111	---	---
Zinc	ppm	█ 1134	█ 1179	---	---
Phosphorus	ppm	█ 908	█ 913	---	---
Barium	ppm	█ 2	█ 4	---	---
Boron	ppm	█ 3	█ 45	---	---

**Depot:** BELBOU  
**Unique No:** 10899660  
**Signed:** Jonathan Hester  
**Report Date:** 29 Feb 2024

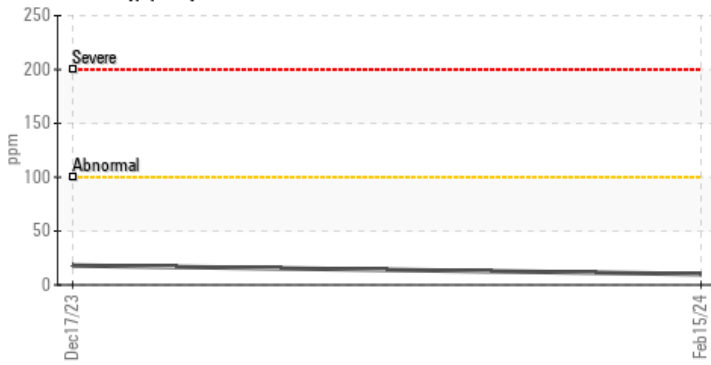


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## GRAPHS

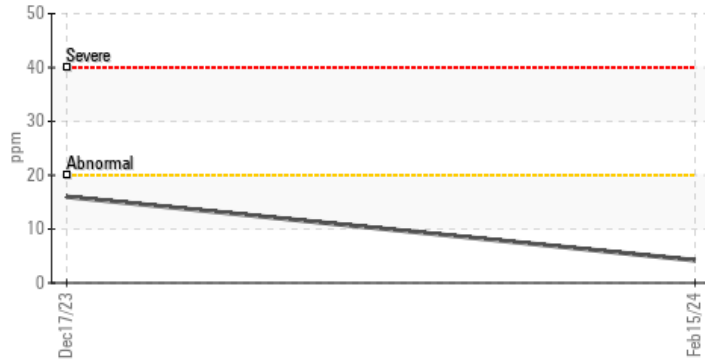
### Iron (ppm)



### Lead (ppm)



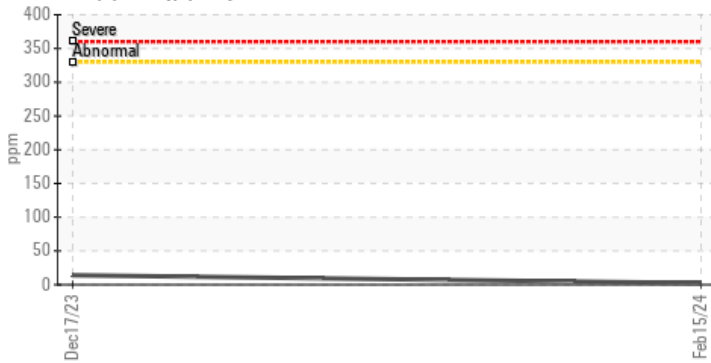
### Aluminum (ppm)



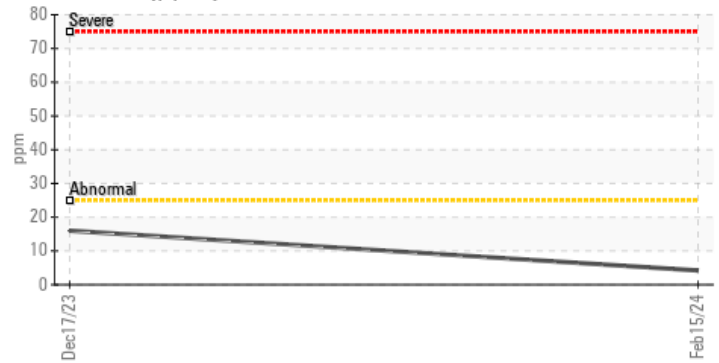
### Chromium (ppm)



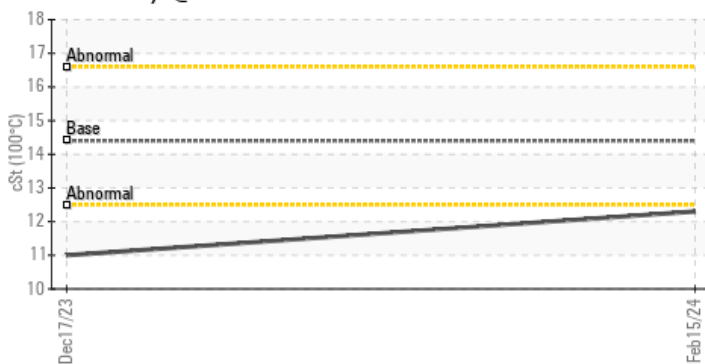
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

