



CONSTRUCTION EQUIPMENT

SPM703242 BL DUKE SENNOBOGEN 835M 835.0.2625 - FRONT DIFFERENTIAL



Sample No: VCP447024
Oil Type: GEAR OIL SAE 80W90
Job No: SPM703242 BL DUKE



SAMPLE INFORMATION

Sample Number	VCP447024	VCP425312	VCP354522	---
Sample Date	01 May 2024	18 Oct 2023	13 Apr 2022	---
Machine Hours	6131	4991	1220	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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5000 INDUSTRIAL HWY
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F:



OIL CONDITION

Visc @ 40°C	cSt	153	185	185	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	6	2	2	---
Sodium	ppm	<1	4	4	---
Potassium	ppm	1	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	14	19	103	---
Copper	ppm	10	24	15	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	0	2	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	1	0	<1	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	0	4	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	121	81	12	---
Magnesium	ppm	40	0	1	---
Zinc	ppm	75	40	51	---
Phosphorus	ppm	663	1164	1099	---
Barium	ppm	100	392	305	---
Boron	ppm	7	0	2	---

Depot: VOLVO8885
Unique No: 11017774
Signed: Wes Davis
Report Date: 08 May 2024

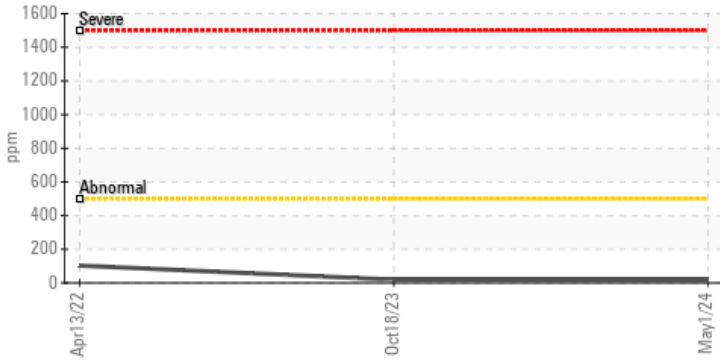


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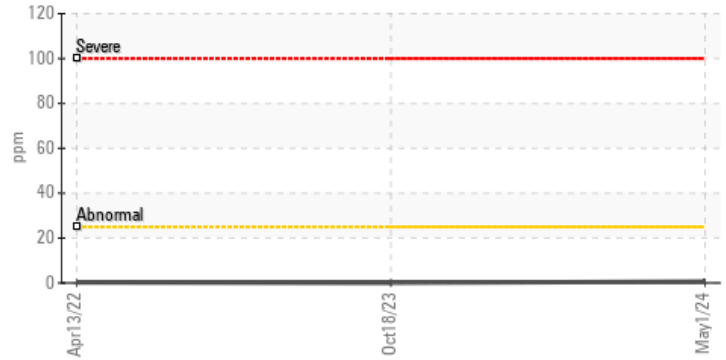


GRAPHS

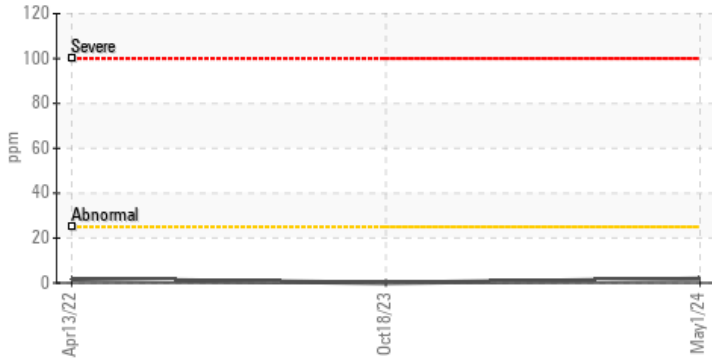
Iron (ppm)



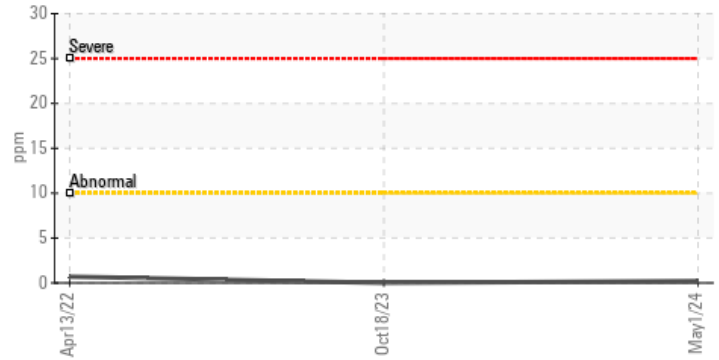
Lead (ppm)



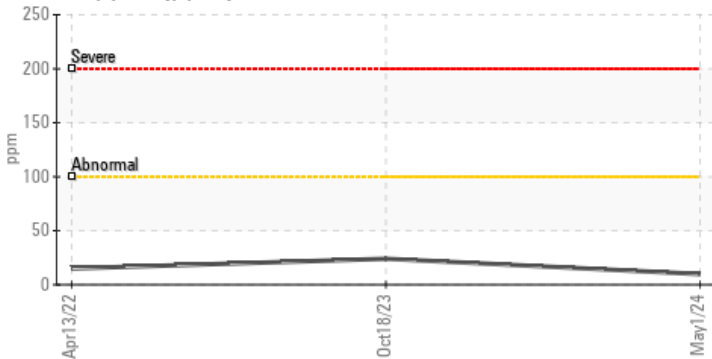
Aluminum (ppm)



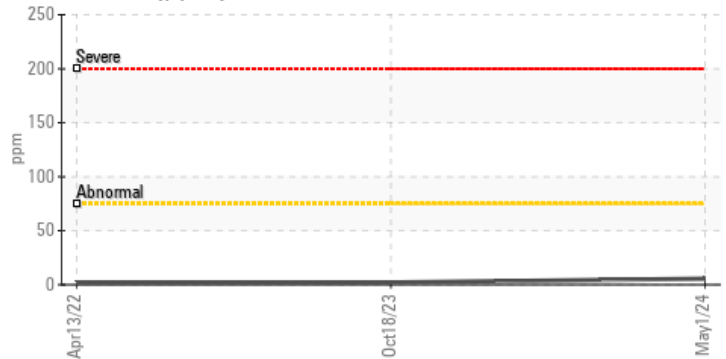
Chromium (ppm)



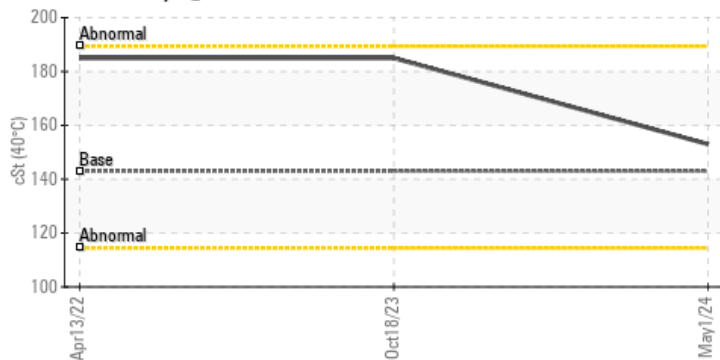
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

