



# CONSTRUCTION EQUIPMENT

717723 MCNICHOLS GEHL V270 24972 - DIESEL ENGINE



**Sample No:** VCP447777  
**Oil Type:** XPART 0W/  
**Job No:** 717723 MCNICHOLS



## SAMPLE INFORMATION

Sample Number	VCP447777	VCP396148	---	---
Sample Date	03 Jun 2024	25 Oct 2022	---	---
Machine Hours	483	139	---	---
Oil Hours	0	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

**ALTA EQUIPMENT COMPANY - METRO WEST**  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 12.5	█ 12.6	---	---
Base Number (BN)	mg KOH/g	█ 7.1	█ 9.2	---	---
Oxidation (PA)	%	82	91	---	---

## Diagnosis

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 suitable for further service.



## CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.3	█ 0.1	---	---
Nitration (PA)	%	77	90	---	---
Sulfation (PA)	%	55	63	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 30	█ 24	---	---
Sodium	ppm	█ 3	█ 1	---	---
Potassium	ppm	█ 2	█ 0	---	---



## WEAR METALS

Iron	ppm	█ 29	█ 10	---	---
Copper	ppm	█ 6	█ 2	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 8	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 55	█ 67	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	█ 1377	█ 2598	---	---
Magnesium	ppm	█ 738	█ 270	---	---
Zinc	ppm	█ 1145	█ 1085	---	---
Phosphorus	ppm	█ 965	█ 921	---	---
Barium	ppm	█ 0	█ <1	---	---
Boron	ppm	█ 27	█ 233	---	---

**Depot:** VOLVO2990  
**Unique No:** 11087218  
**Signed:** Wes Davis  
**Report Date:** 20 Jun 2024

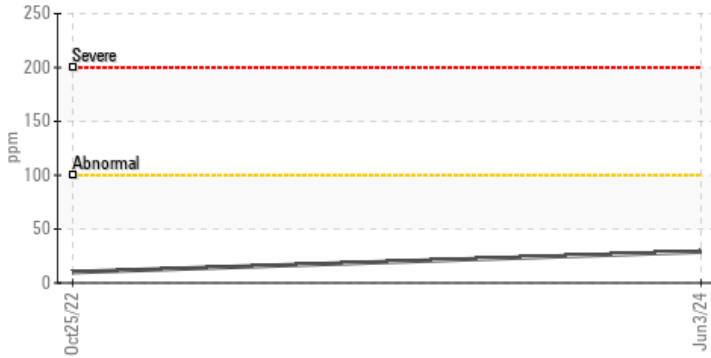


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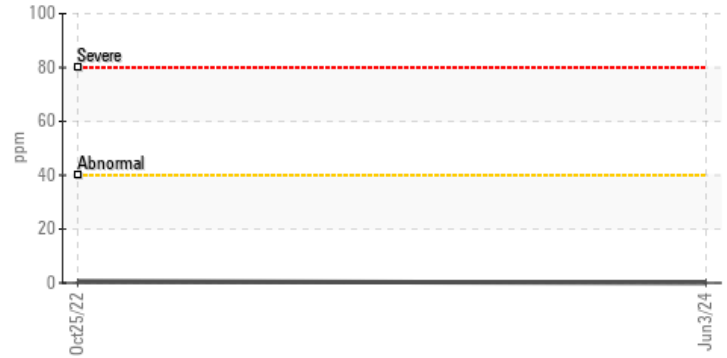


## GRAPHS

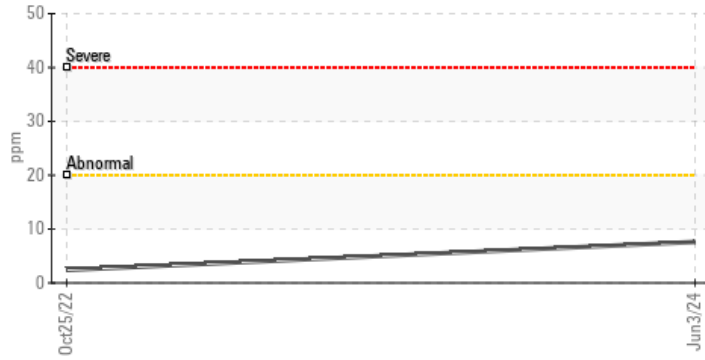
### Iron (ppm)



### Lead (ppm)



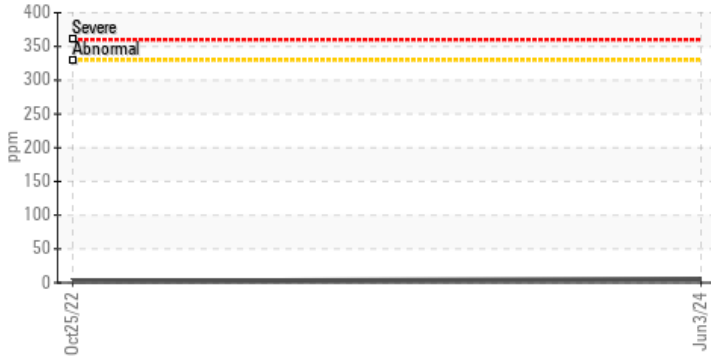
### Aluminum (ppm)



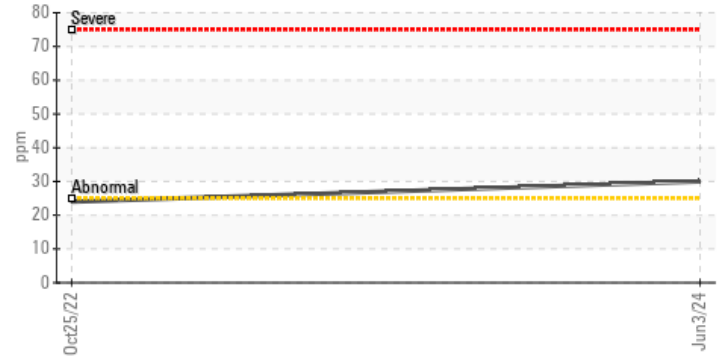
### Chromium (ppm)



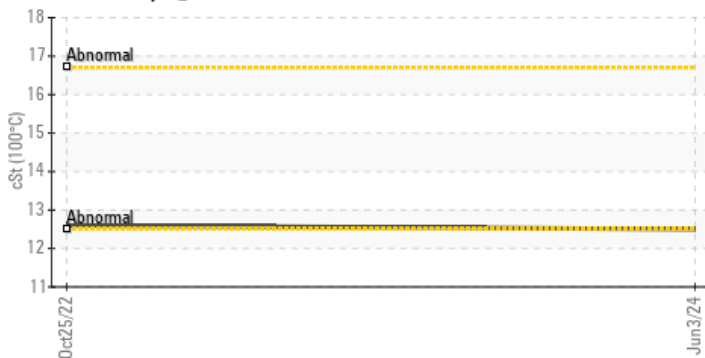
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

