



# CONSTRUCTION EQUIPMENT

TOWN OF OAKVILLE 402076 VOLVO G720A 15728 - DIESEL ENGINE



**Sample No:** VCP450399  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 402076



## SAMPLE INFORMATION

Sample Number	VCP450399	VCP381984	---	---
Sample Date	23 May 2024	14 Dec 2023	---	---
Machine Hours	2489	2223	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

### STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD  
 MISSISSAUGA, ON  
 CA L4W 4L4

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 F: (905)670-2338



## OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	█ 12.9	---	---
Oxidation (PA)	%	█ 79	█ 82	---	---



## CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0	█ 0.1	---	---
Nitration (PA)	%	█ 53	█ 57	---	---
Sulfation (PA)	%	█ 62	█ 62	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	█ <1.0	█ <1.0	---	---
Silicon	ppm	█ 6	█ 7	---	---
Sodium	ppm	█ 2	█ 3	---	---
Potassium	ppm	█ <1	█ 0	---	---

### 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	█ 9	█ 11	---	---
Copper	ppm	█ <1	█ 1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 7	█ 9	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ 39	█ 42	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 0	---	---
Vanadium	ppm	█ 0	█ 0	---	---



## ADDITIVES

Calcium	ppm	█ 1703	█ 1700	---	---
Magnesium	ppm	█ 506	█ 509	---	---
Zinc	ppm	█ 1062	█ 1085	---	---
Phosphorus	ppm	█ 937	█ 925	---	---
Barium	ppm	█ 0	█ <1	---	---
Boron	ppm	█ 53	█ 44	---	---

**Depot:** SHEMIS  
**Unique No:** 5787587  
**Signed:** Wes Davis  
**Report Date:** 29 May 2024

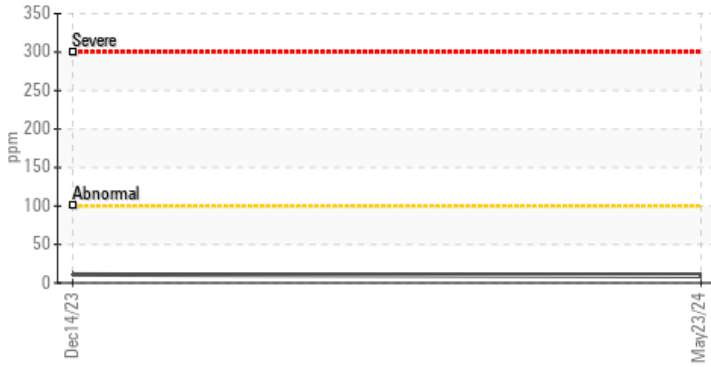


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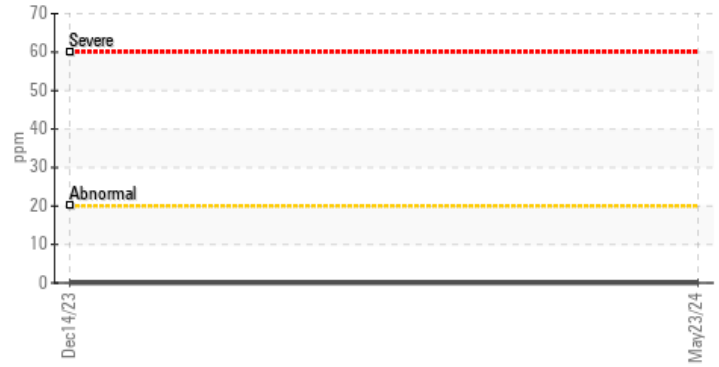


## GRAPHS

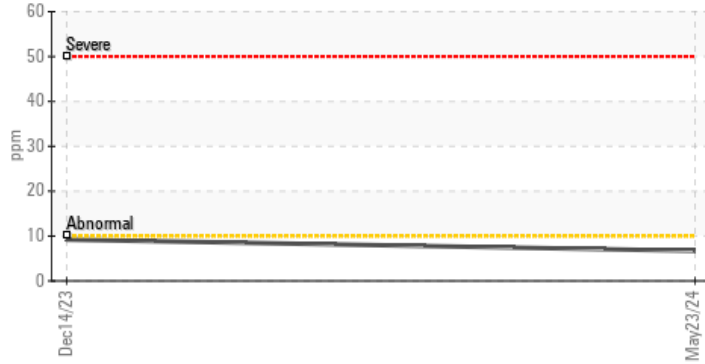
### Iron (ppm)



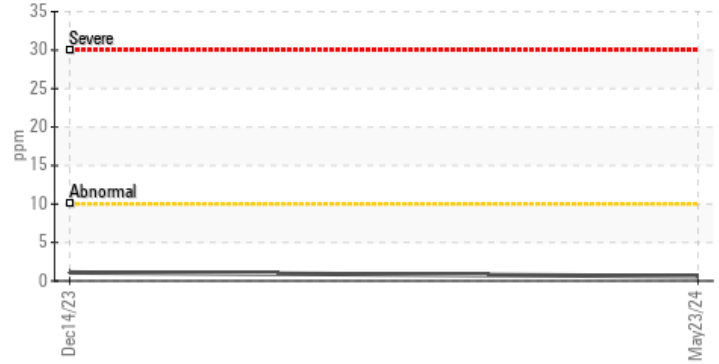
### Lead (ppm)



### Aluminum (ppm)



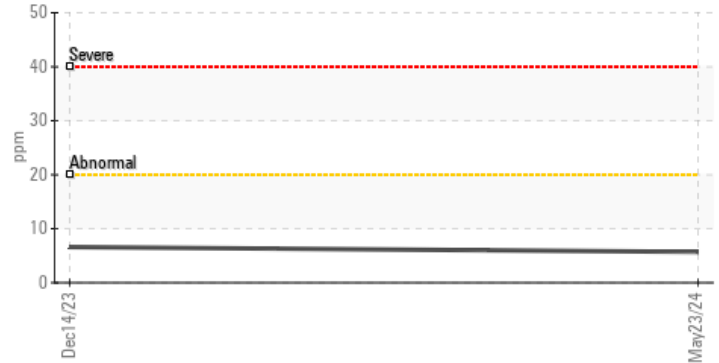
### Chromium (ppm)



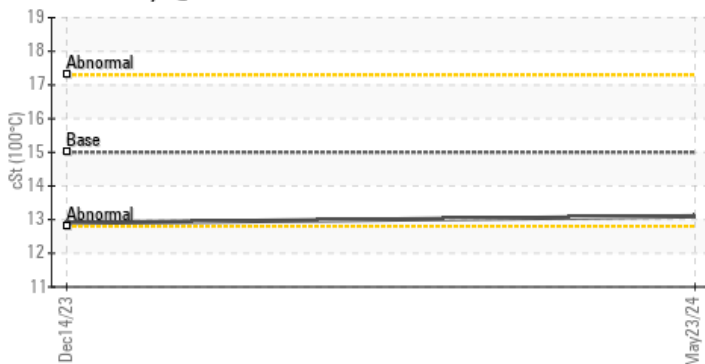
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Soot %

