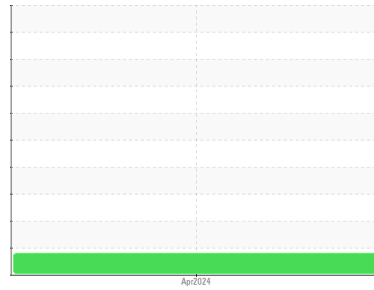




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area

[67592]

Machine Id

VOLVO VNL740 4500

Component

Diesel Engine

Fluid

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

Iron ppm levels are abnormal. Cylinder, crank, or cam shaft wear is indicated.

Contamination

Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil.

Fluid Condition

Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0895329	---	---
Sample Date	Client Info		12 Apr 2024	---	---
Machine Age	kms	Client Info	273989	---	---
Oil Age	kms	Client Info	103164	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	---	---
Glycol	WC Method		NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m) >100	▲ 118	---	---
Chromium	ppm	ASTM D5185(m) >20	2	---	---
Nickel	ppm	ASTM D5185(m) >2	1	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m) >2	0	---	---
Aluminum	ppm	ASTM D5185(m) >25	11	---	---
Lead	ppm	ASTM D5185(m) >40	<1	---	---
Copper	ppm	ASTM D5185(m) >330	7	---	---
Tin	ppm	ASTM D5185(m) >15	<1	---	---
Antimony	ppm	ASTM D5185(m)	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	8	---	---
Barium	ppm	ASTM D5185(m)	0	---	---
Molybdenum	ppm	ASTM D5185(m)	58	---	---
Manganese	ppm	ASTM D5185(m)	1	---	---
Magnesium	ppm	ASTM D5185(m)	904	---	---
Calcium	ppm	ASTM D5185(m)	1185	---	---
Phosphorus	ppm	ASTM D5185(m)	941	---	---
Zinc	ppm	ASTM D5185(m)	1162	---	---
Sulfur	ppm	ASTM D5185(m)	1899	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

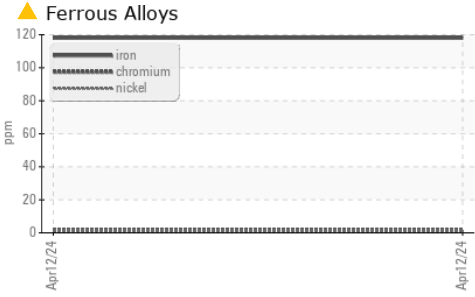
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	9	---	---
Sodium	ppm	ASTM D5185(m)	4	---	---
Potassium	ppm	ASTM D5185(m) >20	2	---	---
Fuel	%	ASTM D7593* >6.0	0.0	---	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	1.3	---	---
Nitration	Abs/cm	ASTM D7624* >20	14.3	---	---
Sulfation	Abs./1mm	ASTM D7415* >30	27.9	---	---



OIL ANALYSIS REPORT



FLUID DEGRADATION	method	limit/base	current	history1	history2
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Oxidation	Abs./1mm	ASTM D7414*	>25	27.6	---	---
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VISUAL	method	limit/base	current	history1	history2
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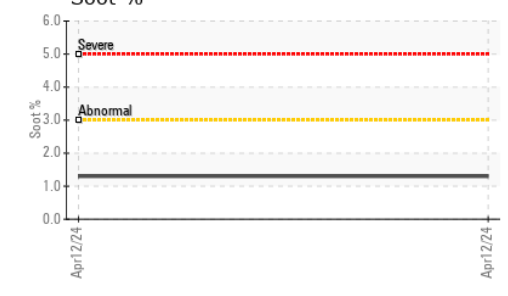
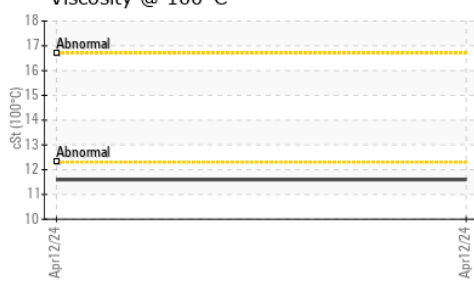
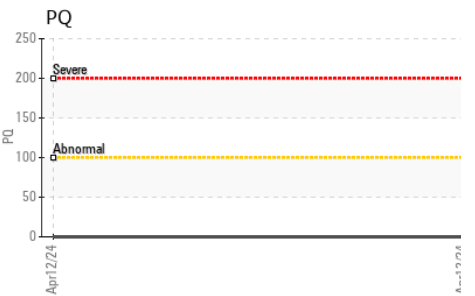
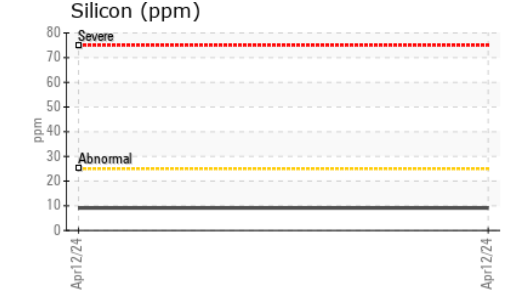
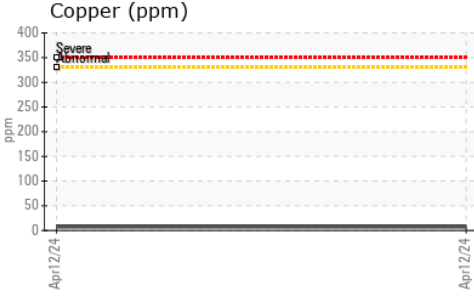
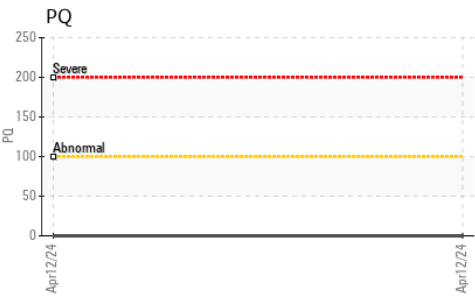
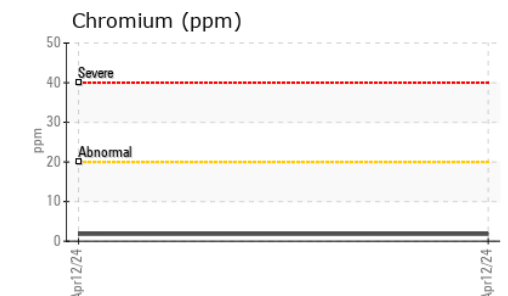
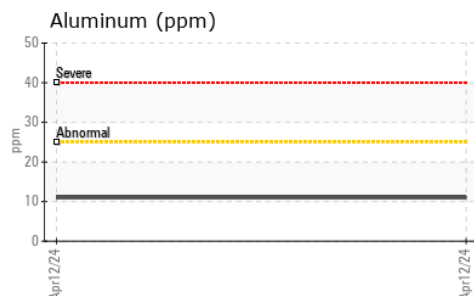
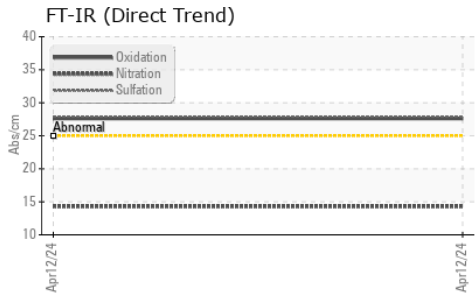
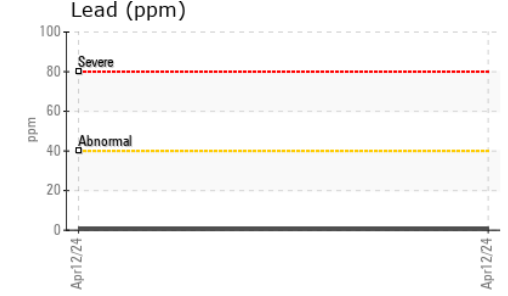
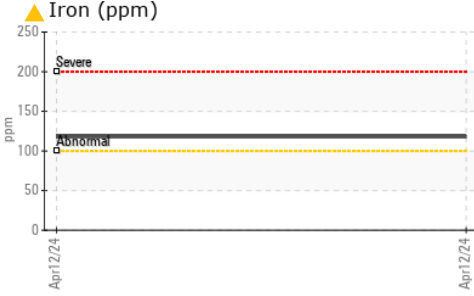
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
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Free Water	scalar	Visual*		NEG	---	---
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FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 100°C	cSt	ASTM D7279(m)		11.6	---	---
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **PERFORMANCE EQUIPMENT - VISION TRUCK**
Sample No. : WC0895329 **Received** : 22 Apr 2024 **415 EVANS AVENUE**
Lab Number : **02630459** **Tested** : 23 Apr 2024 **ETOBICOKE, ON**
Unique Number : 5763591 **Diagnosed** : 23 Apr 2024 - Kevin Marson **CA M8W 0B3**
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel, PQ) **Contact: Service**
etobservice@visiontruckgroup.com

To discuss this sample report, contact Customer Service at 1-800-268-2131. **T:**
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. **F:**
 Validity of results and interpretation are based on the sample and information as supplied.