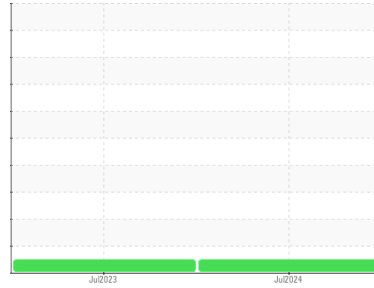




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
[69549]
 Machine Id
VOLVO VNL 4512

Component
Diesel Engine
 Fluid
PETRO CANADA DURON SAE 10W30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0948220	WC0831151	---
Sample Date	Client Info			05 Jul 2024	21 Jul 2023	---
Machine Age	mths	Client Info		0	47	---
Oil Age	mths	Client Info		12	7	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method		>6.0	<1.0	<1.0	---
Water	WC Method		>0.2	NEG	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	73	94	---
Chromium	ppm	ASTM D5185(m)	>20	2	2	---
Nickel	ppm	ASTM D5185(m)	>2	1	<1	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>2	<1	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	7	8	---
Lead	ppm	ASTM D5185(m)	>40	2	2	---
Copper	ppm	ASTM D5185(m)	>330	7	8	---
Tin	ppm	ASTM D5185(m)	>15	1	2	---
Antimony	ppm	ASTM D5185(m)		0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

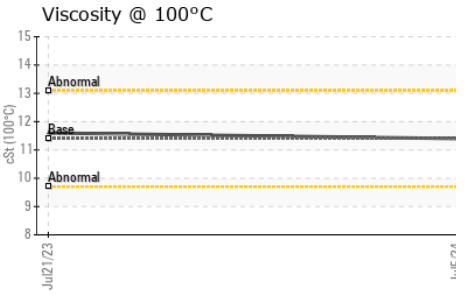
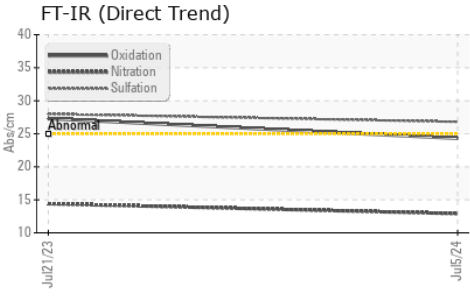
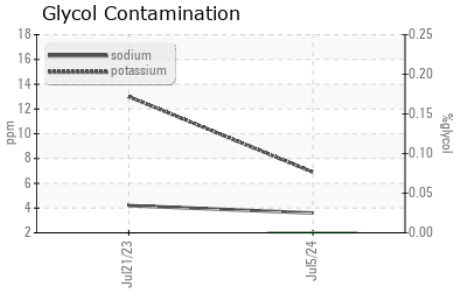
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	1	2	2	---
Barium	ppm	ASTM D5185(m)	1	<1	0	---
Molybdenum	ppm	ASTM D5185(m)	1	61	60	---
Manganese	ppm	ASTM D5185(m)	1	<1	1	---
Magnesium	ppm	ASTM D5185(m)	10	971	960	---
Calcium	ppm	ASTM D5185(m)	2942	1105	1201	---
Phosphorus	ppm	ASTM D5185(m)	1102	1007	1046	---
Zinc	ppm	ASTM D5185(m)	1351	1196	1222	---
Sulfur	ppm	ASTM D5185(m)	3903	2033	1982	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	10	8	---
Sodium	ppm	ASTM D5185(m)		4	4	---
Potassium	ppm	ASTM D5185(m)	>20	7	13	---
Glycol	%	ASTM D7922*		0.0	NEG	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	1.2	1.1	---
Nitration	Abs/cm	ASTM D7624*	>20	12.9	14.4	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	26.8	28.0	---



OIL ANALYSIS REPORT

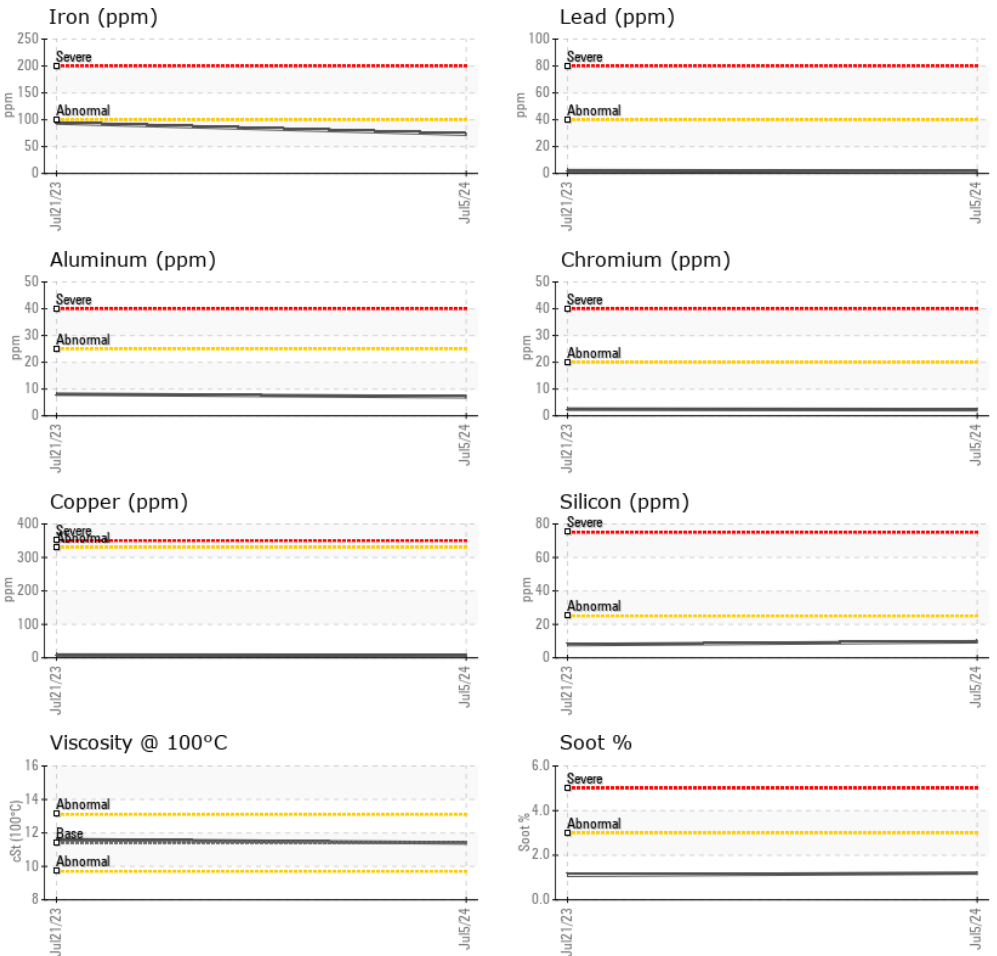


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	24.3	27.3	---

VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---
Free Water	scalar	Visual*		NEG	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	11.4	11.6	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **PERFORMANCE EQUIPMENT - VISION TRUCK**
Sample No. : WC0948220 **Received** : 09 Jul 2024 **415 EVANS AVENUE**
Lab Number : **02646632** **Tested** : 09 Jul 2024 **ETOBICOKE, ON**
Unique Number : 5812184 **Diagnosed** : 09 Jul 2024 - Wes Davis **CA M8W 0B3**
Test Package : MOB 1 (Additional Tests: Glycol, Visual) **Contact: Service**
etobservice@visiontruckgroup.com

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