



OIL ANALYSIS REPORT

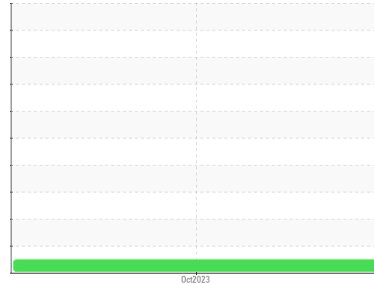
Sample Rating Trend

NORMAL



Area
[62996]
Machine Id
VOLVO VNL 4659

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

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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		WC0869685	---	---
Sample Date	Client Info		26 Oct 2023	---	---
Machine Age	mths	Client Info	24	---	---
Oil Age	mths	Client Info	8	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >100	69	---	---
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	<1	---	---
Aluminum	ppm	ASTM D5185(m) >25	14	---	---
Lead	ppm	ASTM D5185(m) >40	5	---	---
Copper	ppm	ASTM D5185(m) >330	77	---	---
Tin	ppm	ASTM D5185(m) >15	3	---	---
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) 1	2	---	---
Barium	ppm	ASTM D5185(m) 1	<1	---	---
Molybdenum	ppm	ASTM D5185(m) 1	73	---	---
Manganese	ppm	ASTM D5185(m) 1	2	---	---
Magnesium	ppm	ASTM D5185(m) 10	939	---	---
Calcium	ppm	ASTM D5185(m) 2942	1193	---	---
Phosphorus	ppm	ASTM D5185(m) 1102	926	---	---
Zinc	ppm	ASTM D5185(m) 1351	1164	---	---
Sulfur	ppm	ASTM D5185(m) 3903	1903	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	14	---	---
Sodium	ppm	ASTM D5185(m)	4	---	---
Potassium	ppm	ASTM D5185(m) >20	27	---	---

INFRA-RED

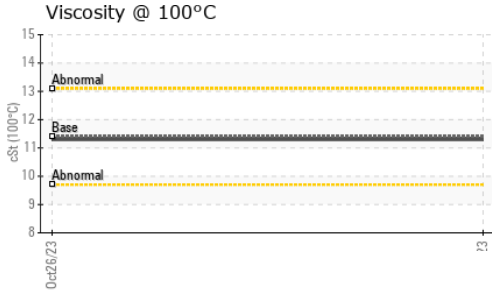
	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	1.3	---	---
Nitration	Abs/cm	ASTM D7624* >20	13.9	---	---
Sulfation	Abs/.1mm	ASTM D7415* >30	27.3	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414* >25	24.7	---	---



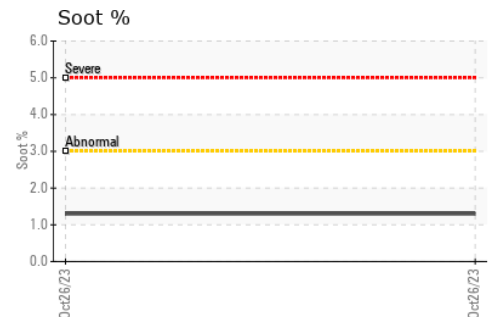
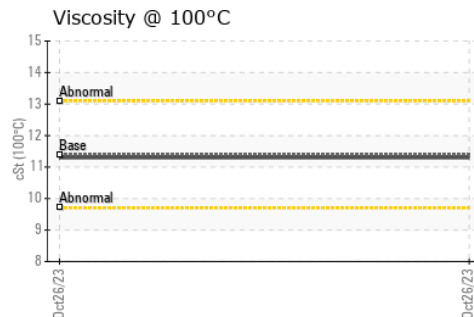
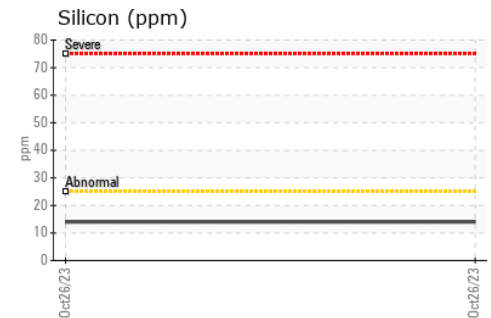
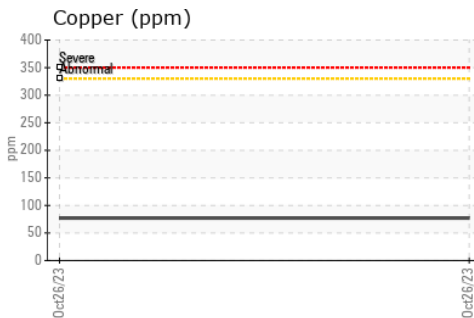
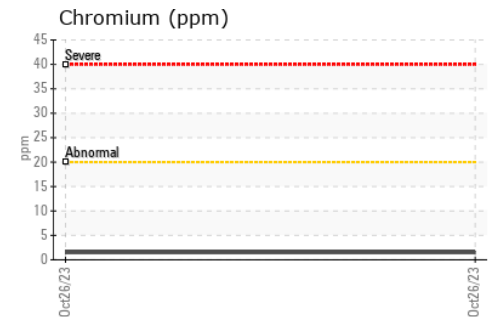
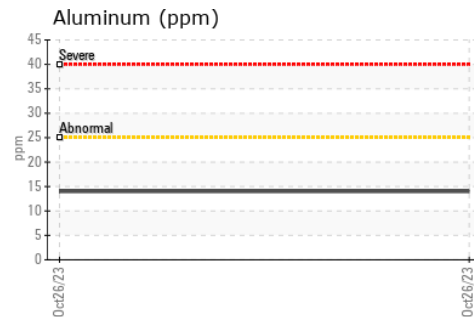
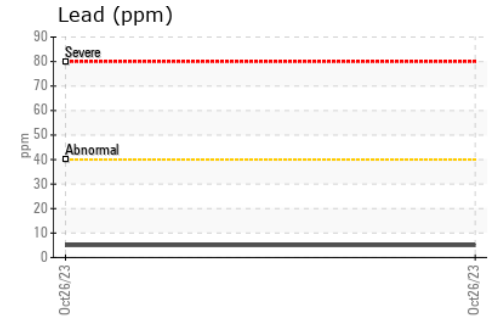
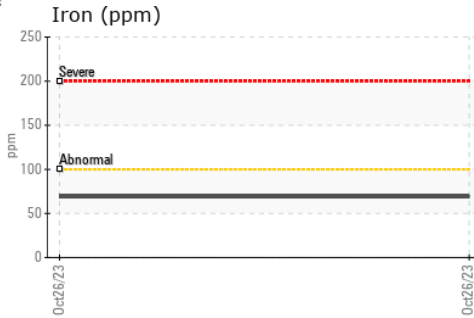
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	11.3	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 PERFORMANCE EQUIPMENT - VISION TRUCK
Sample No. : WC0869685 **Received** : 30 Oct 2023 415 EVANS AVENUE
Lab Number : 02592538 **Diagnosed** : 30 Oct 2023 ETOBICOKE, ON
Unique Number : 5669617 **Diagnostician** : Wes Davis CA M8W 0B3
Test Package : MOB 1 Contact: Service

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