



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
VOLVO 2014 VOLVO VNL
Component
Diesel Engine
Fluid
PETRO CANADA DURON SAE 10W30 (42 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. No other corrective action is recommended at this time.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC379248	---	---
Sample Date		Client Info		04 May 2022	---	---
Machine Age	kms	Client Info		765000	---	---
Oil Age	kms	Client Info		3000	---	---
Filter Age	kms	Client Info		3000	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	6	---	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---	---
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	1	---	---
Lead	ppm	ASTM D5185(m)	>40	<1	---	---
Copper	ppm	ASTM D5185(m)	>330	2	---	---
Tin	ppm	ASTM D5185(m)	>15	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

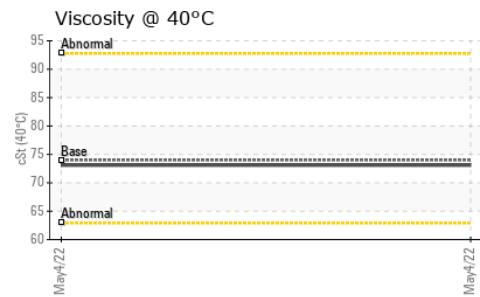
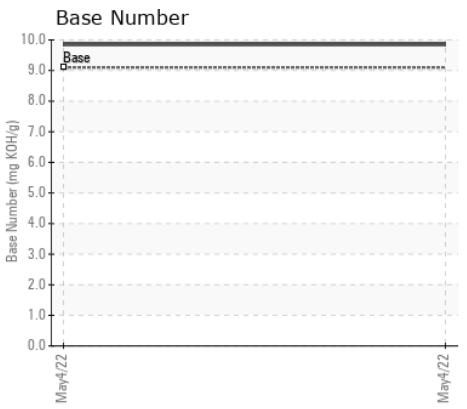
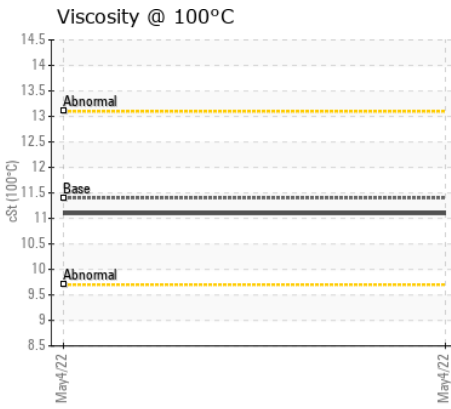
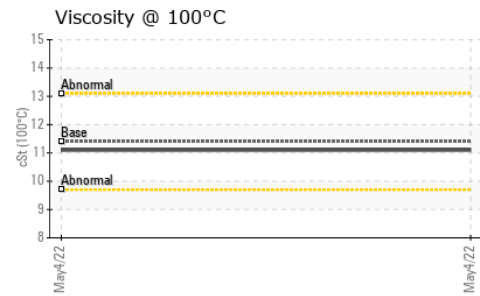
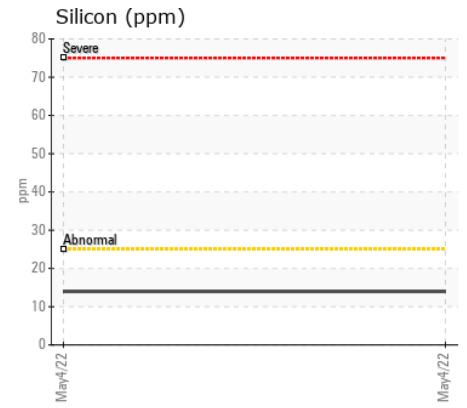
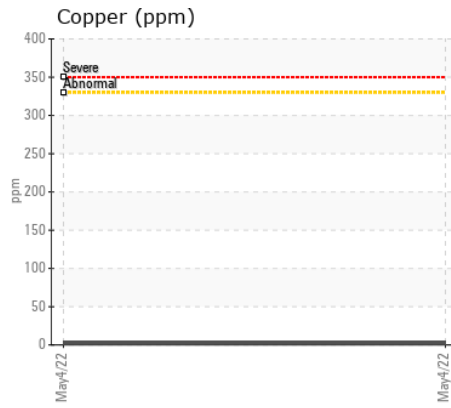
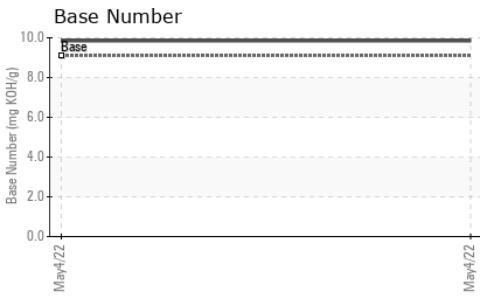
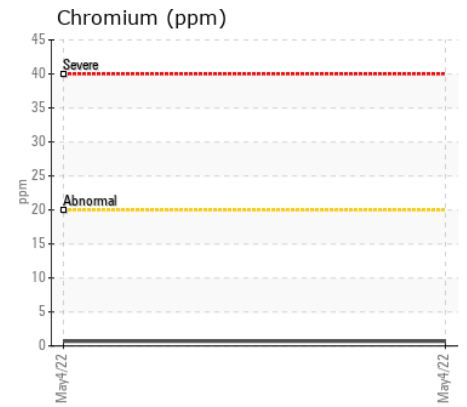
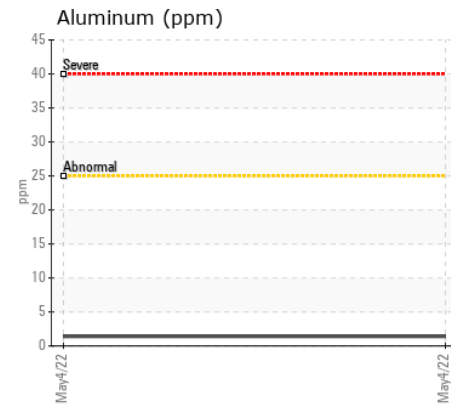
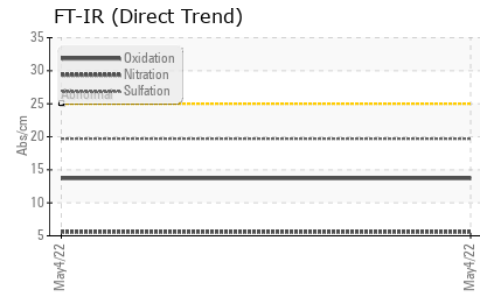
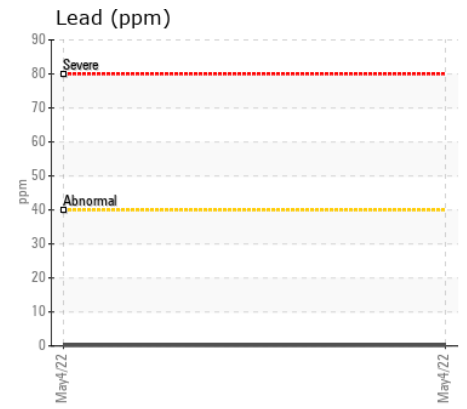
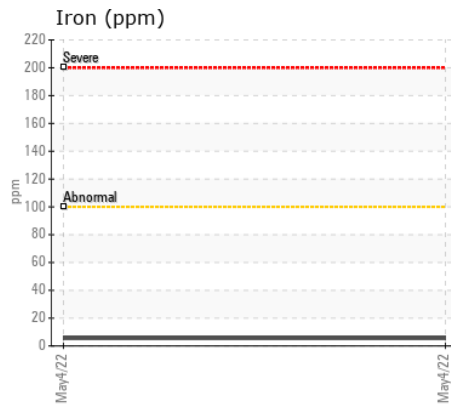
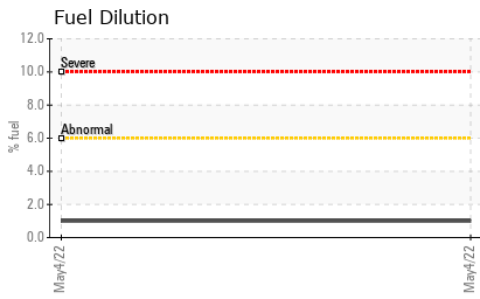
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>25	14	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Fuel	%	ASTM D7593*	>6.0	1	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	5.6	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.7	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		3	---	---
Boron	ppm	ASTM D5185(m)	1	<1	---	---
Barium	ppm	ASTM D5185(m)	1	0	---	---
Molybdenum	ppm	ASTM D5185(m)	1	58	---	---
Manganese	ppm	ASTM D5185(m)	1	<1	---	---
Magnesium	ppm	ASTM D5185(m)	10	950	---	---
Calcium	ppm	ASTM D5185(m)	2942	1047	---	---
Phosphorus	ppm	ASTM D5185(m)	1102	1077	---	---
Zinc	ppm	ASTM D5185(m)	1351	1212	---	---
Sulfur	ppm	ASTM D5185(m)	3903	2694	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.7	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	9.1	9.85	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	74.0	73.1	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	11.1	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	146	142	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC379248
Lab Number : **02486989**
Unique Number : 5395927
Test Package : MOB 2 (Additional Tests: FuelDilution, KV40, PercentFuel, VI)

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Received : 05 May 2022
 Tested : 06 May 2022
 Diagnosed : 06 May 2022 - Kevin Marson
 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.