



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO L120B 271
Component
Transmission (Manual)
Fluid
PETRO CANADA PRODURO TO-4 SAE 10W (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0021096	---	---
Sample Date		Client Info		24 Apr 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Chngd	---	---
Filter Changed		Client Info		Not Chngd	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184*	>95	67	---	---
Iron	ppm	ASTM D5185(m)	>200	181	---	---
Chromium	ppm	ASTM D5185(m)	>5	1	---	---
Nickel	ppm	ASTM D5185(m)	>5	1	---	---
Titanium	ppm	ASTM D5185(m)		<1	---	---
Silver	ppm	ASTM D5185(m)	>7	0	---	---
Aluminum	ppm	ASTM D5185(m)	>25	2	---	---
Lead	ppm	ASTM D5185(m)	>45	0	---	---
Copper	ppm	ASTM D5185(m)	>225	2	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	LIGHT	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

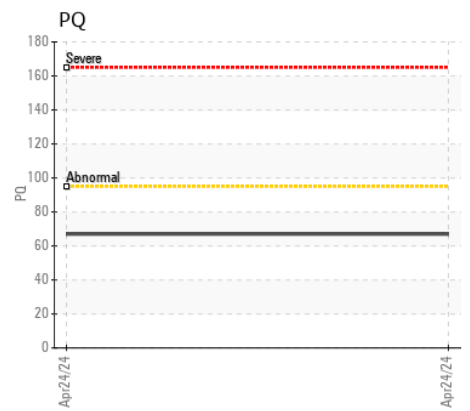
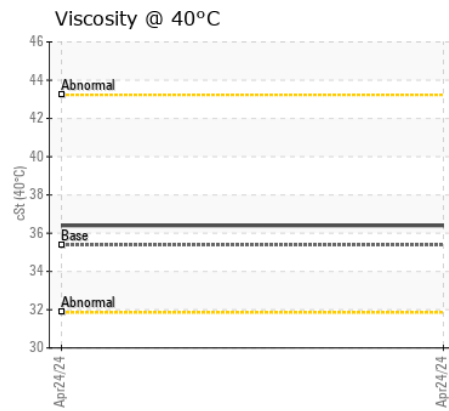
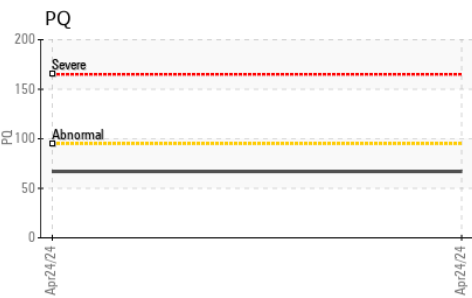
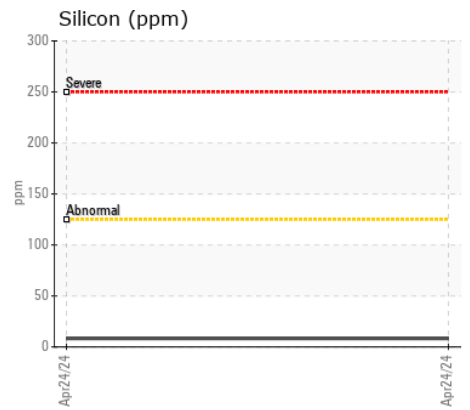
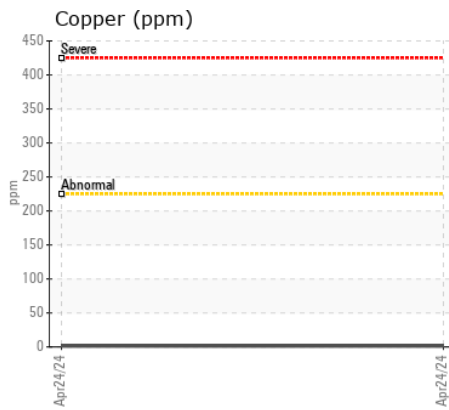
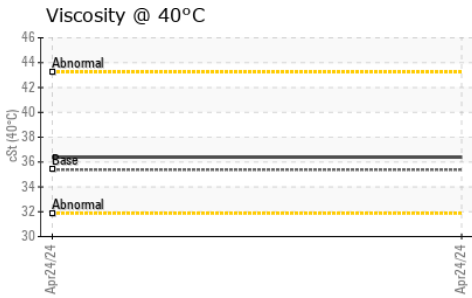
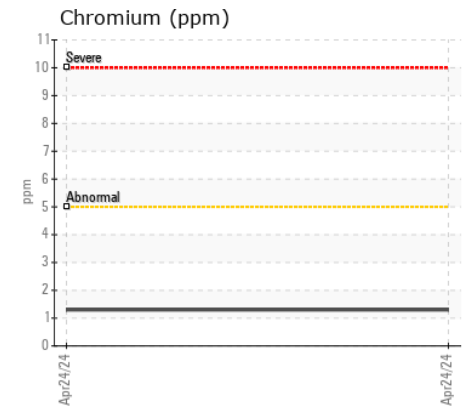
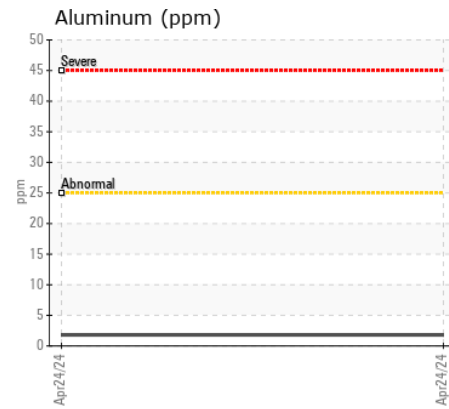
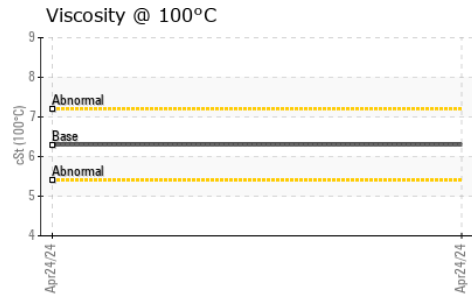
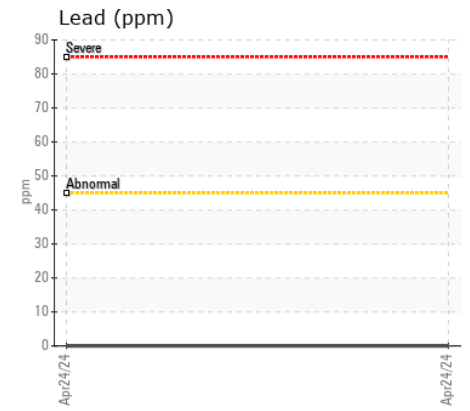
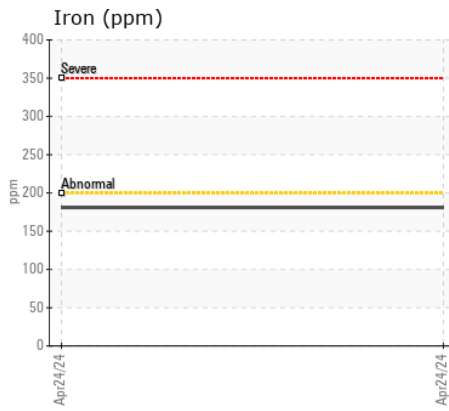
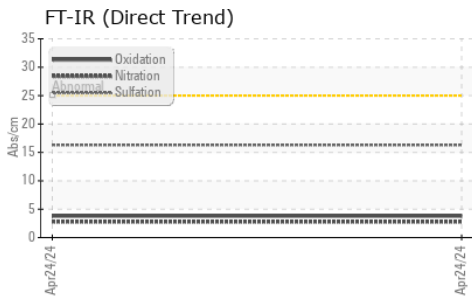
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>125	8	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water		WC Method	>0.1	NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		2.8	---	---
Sulfation	Abs/.1mm	ASTM D7415*		16.3	---	---
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	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		2	---	---
Boron	ppm	ASTM D5185(m)	1	9	---	---
Barium	ppm	ASTM D5185(m)	0	<1	---	---
Molybdenum	ppm	ASTM D5185(m)	1	<1	---	---
Manganese	ppm	ASTM D5185(m)	1	2	---	---
Magnesium	ppm	ASTM D5185(m)	1	20	---	---
Calcium	ppm	ASTM D5185(m)	2864	2797	---	---
Phosphorus	ppm	ASTM D5185(m)	987	947	---	---
Zinc	ppm	ASTM D5185(m)	1162	1113	---	---
Sulfur	ppm	ASTM D5185(m)	3713	3363	---	---
Oxidation	Abs/.1mm	ASTM D7414*		3.8	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	35.38	36.4	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	6.28	6.3	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	128	123	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0021096 **Received** : 29 Apr 2024
Lab Number : 02631832 **Tested** : 29 Apr 2024
Unique Number : 5772985 **Diagnosed** : 29 Apr 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: FT-IR, KV100, PQ, VI)

TRANSPORT F. GILBERT LTEE
 150 DES ROUTIERS
 CHICOUTIMI, QC
 CA G7H 5B1
 Contact: Alain Trottier
 alain.trottier@groupegilbert.com
 T: (418)698-4848
 F: (418)698-8251

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.