



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LINK-BELT LINK-BELT 290 X2
Component
Diesel Engine
Fluid
SHELL ROTELLA T6 5W40 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0049800	---	---
Sample Date		Client Info		08 Apr 2024	---	---
Machine Age	hrs	Client Info		11117	---	---
Oil Age	hrs	Client Info		536	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	3	---	---
Chromium	ppm	ASTM D5185(m)	>20	0	---	---
Nickel	ppm	ASTM D5185(m)	>4	0	---	---
Titanium	ppm	ASTM D5185(m)		<1	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	2	---	---
Lead	ppm	ASTM D5185(m)	>40	0	---	---
Copper	ppm	ASTM D5185(m)	>330	<1	---	---
Tin	ppm	ASTM D5185(m)	>15	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

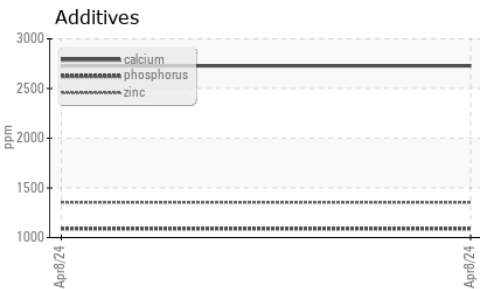
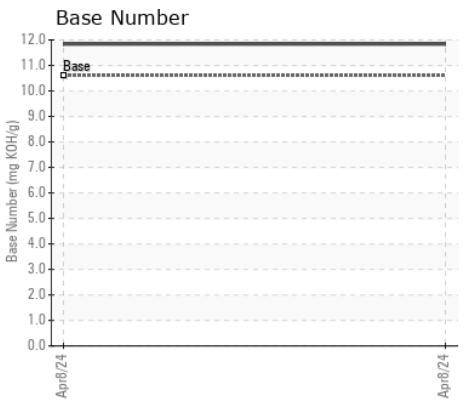
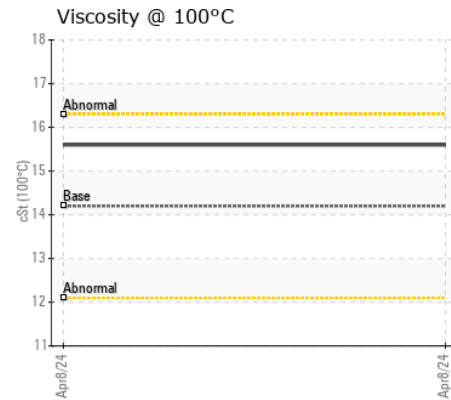
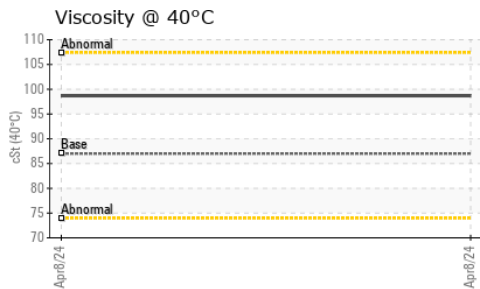
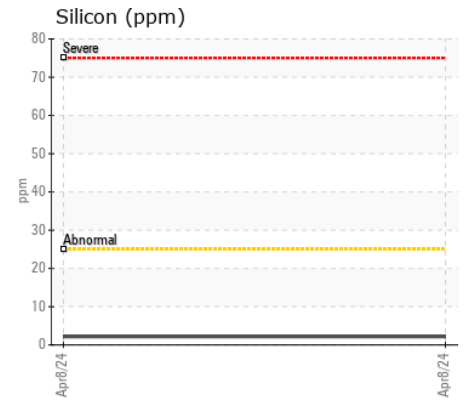
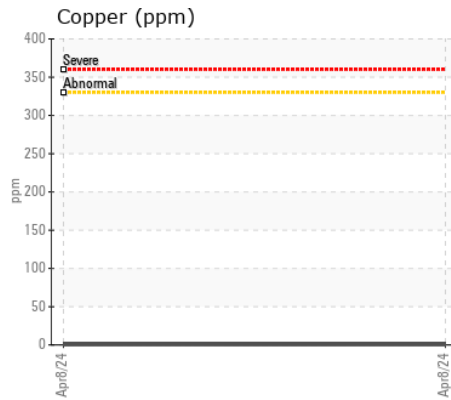
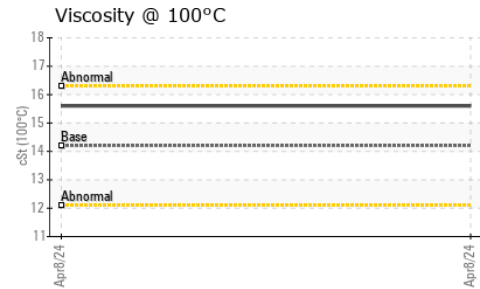
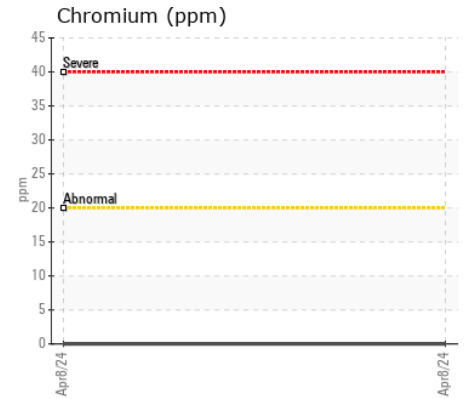
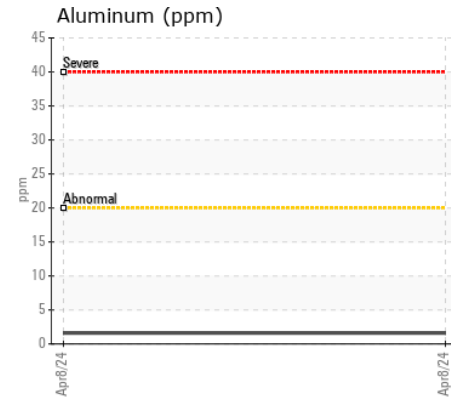
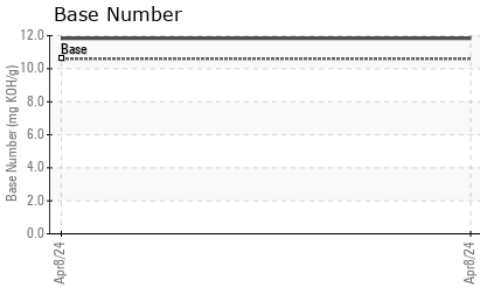
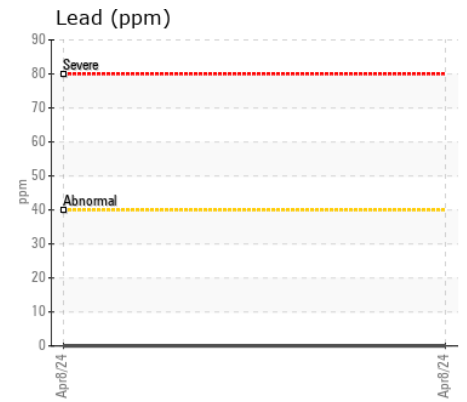
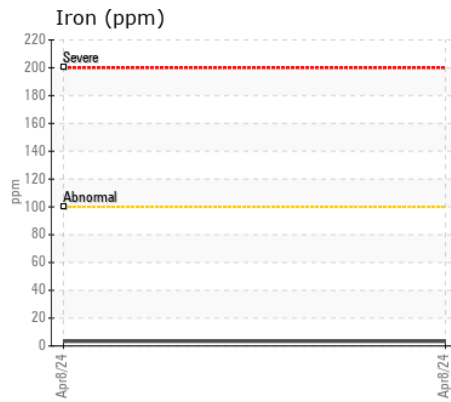
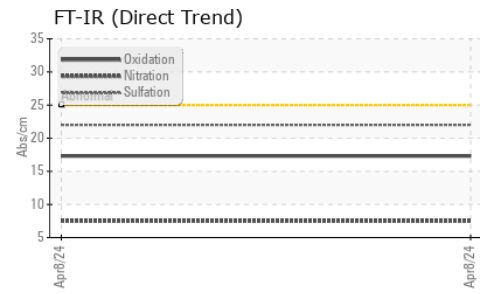
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	2	---	---
Potassium	ppm	ASTM D5185(m)	>20	2	---	---
Fuel		WC Method	>5	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	7.5	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.0	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.
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)		4	---	---
Boron	ppm	ASTM D5185(m)		116	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		82	---	---
Calcium	ppm	ASTM D5185(m)		2728	---	---
Phosphorus	ppm	ASTM D5185(m)		1090	---	---
Zinc	ppm	ASTM D5185(m)		1354	---	---
Sulfur	ppm	ASTM D5185(m)		3149	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.3	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	10.6	11.84	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	87	98.7	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.2	15.6	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		168	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0049800
Lab Number : 02628115
Unique Number : 5761247
Test Package : MOB 2 (Additional Tests: KV40, VI)

EXCAVATION V. CLOUTIER / 9922-7378 INC.
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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.