



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**8906**  
 Component  
**Diesel Engine**  
 Fluid  
**DIESEL ENGINE OIL SAE 40 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>IL0035120</b>	IL0019063	---
Sample Date		Client Info		<b>11 Apr 2024</b>	15 Nov 2023	---
Machine Age	hrs	Client Info		<b>11195</b>	0	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	N/A	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>16</b>	16	---
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	2	---
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

### CONTAMINATION

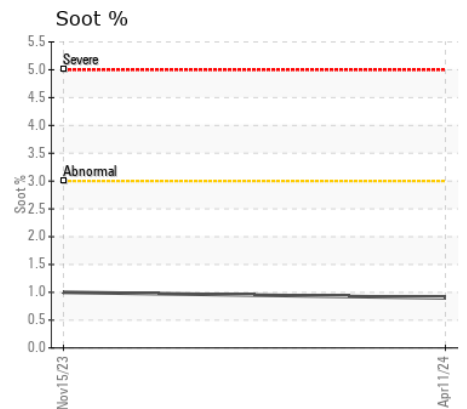
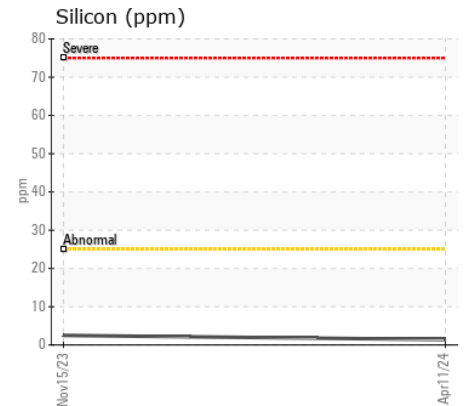
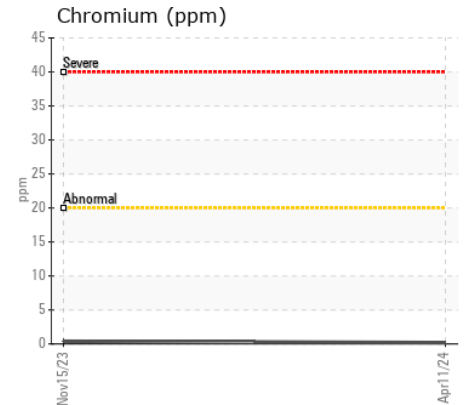
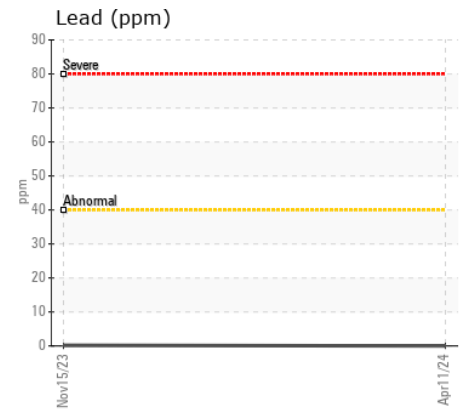
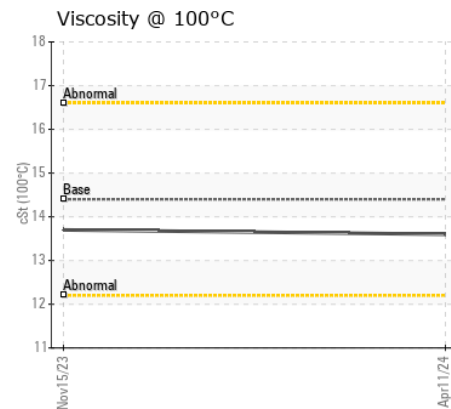
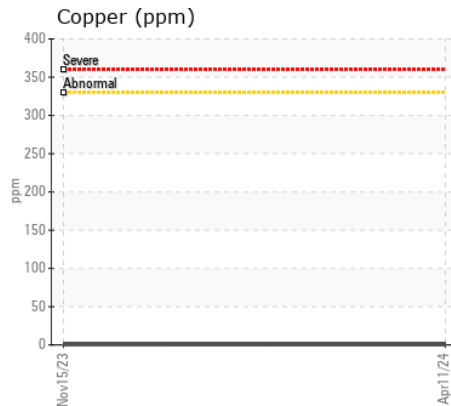
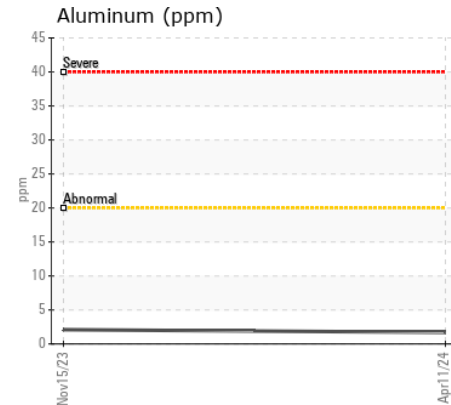
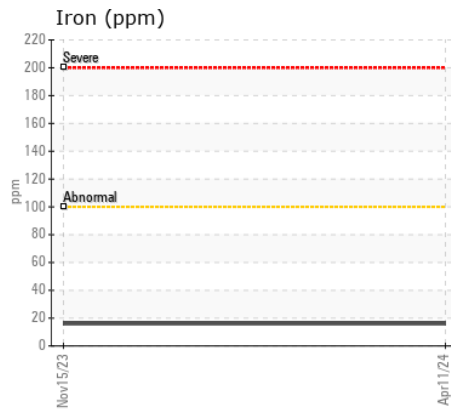
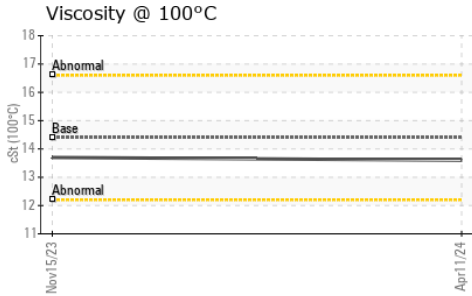
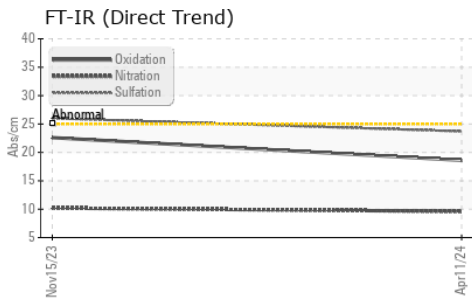
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>1</b>	2	---
Potassium	ppm	ASTM D5185(m)	>20	<b>6</b>	6	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	ASTM D7844*	>3	<b>0.9</b>	1	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.6</b>	10.2	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>23.7</b>	26.0	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>216	<b>1</b>	2	---
Boron	ppm	ASTM D5185(m)	250	<b>107</b>	96	---
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)	100	<b>6</b>	<1	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)	450	<b>15</b>	19	---
Calcium	ppm	ASTM D5185(m)	3000	<b>2142</b>	2091	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>931</b>	900	---
Zinc	ppm	ASTM D5185(m)	1350	<b>1091</b>	1094	---
Sulfur	ppm	ASTM D5185(m)	4250	<b>2795</b>	2780	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>18.6</b>	22.6	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	<b>13.6</b>	13.7	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : IL0035120  
**Lab Number** : 02628644  
**Unique Number** : 5761776  
**Test Package** : MOB 1  
**Received** : 15 Apr 2024  
**Tested** : 15 Apr 2024  
**Diagnosed** : 15 Apr 2024 - 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.

**ALTRUCK IDEALEASE**  
 120 MCGOVERN DRIVE  
 CAMBRIDGE, ON  
 CA N3H 4R7  
 Contact: Kathy Williams  
 kathy.williams@altruck.com  
 T: (519)650-3670  
 F: (519)650-2050