



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**INTERNATIONAL Carter 472302**  
 Component  
**Diesel Engine**  
 Fluid  
**{not provided} (44 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>IL0034941</b>	IL0031175	---
Sample Date		Client Info		<b>08 Feb 2024</b>	22 Sep 2023	---
Machine Age	mls	Client Info		<b>68443</b>	31413	---
Oil Age	mls	Client Info		<b>37030</b>	31413	---
Filter Age	mls	Client Info		<b>37030</b>	31413	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>47</b>	58	---
Chromium	ppm	ASTM D5185m	>20	<b>2</b>	2	---
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>20	<b>8</b>	9	---
Lead	ppm	ASTM D5185m	>40	<b>1</b>	4	---
Copper	ppm	ASTM D5185m	>330	<b>8</b>	30	---
Tin	ppm	ASTM D5185m	>15	<b>1</b>	2	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

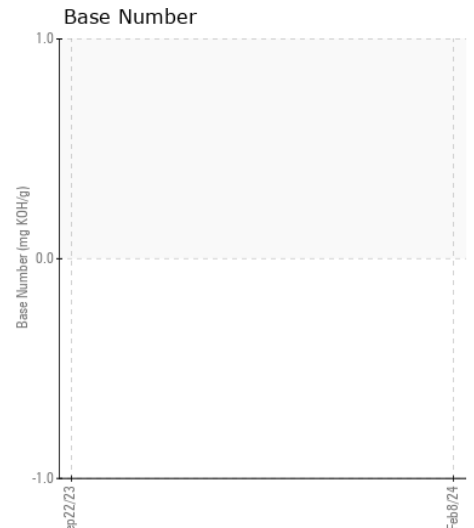
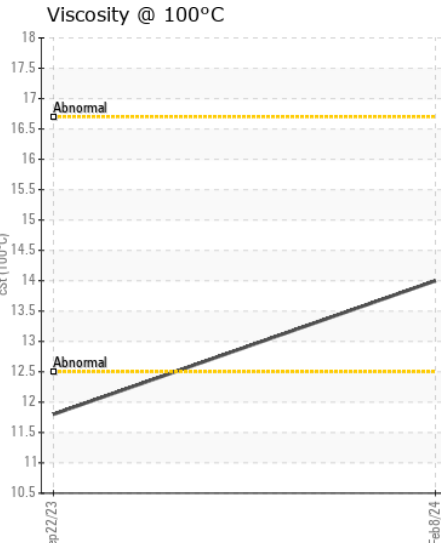
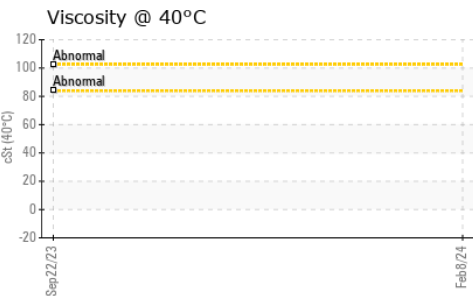
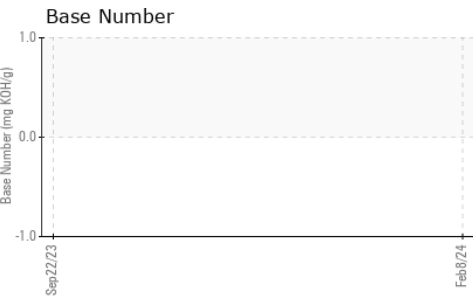
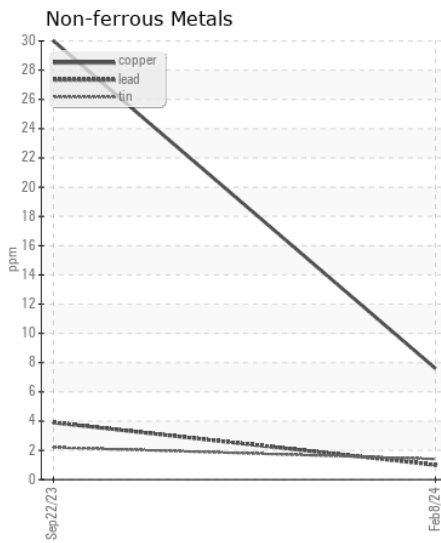
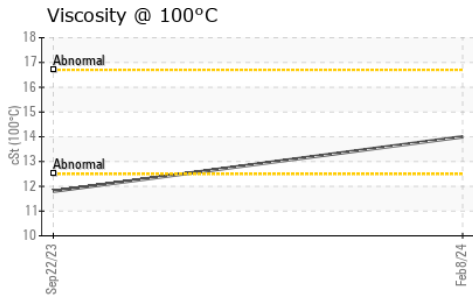
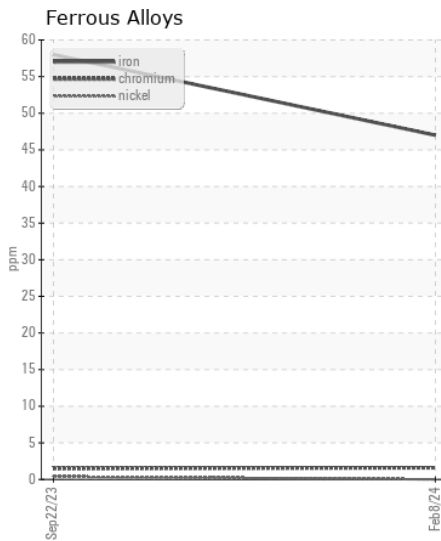
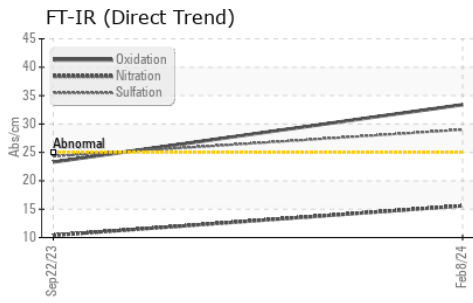
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>11</b>	42	---
Potassium	ppm	ASTM D5185m	>20	<b>17</b>	32	---
Fuel		WC Method	>2.0	<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>0.5</b>	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>15.6</b>	10.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>29.0</b>	24.3	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	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 D5185m		<b>2</b>	2	---
Boron	ppm	ASTM D5185m		<b>4</b>	21	---
Barium	ppm	ASTM D5185m		<b>0</b>	4	---
Molybdenum	ppm	ASTM D5185m		<b>69</b>	66	---
Manganese	ppm	ASTM D5185m		<b>1</b>	4	---
Magnesium	ppm	ASTM D5185m		<b>954</b>	457	---
Calcium	ppm	ASTM D5185m		<b>1241</b>	1716	---
Phosphorus	ppm	ASTM D5185m		<b>1074</b>	901	---
Zinc	ppm	ASTM D5185m		<b>1326</b>	1241	---
Sulfur	ppm	ASTM D5185m		<b>3030</b>	3077	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>33.4</b>	23.3	---
Visc @ 100°C	cSt	ASTM D445		<b>14.0</b>	11.8	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : IL0034941  
**Lab Number** : 06158290  
**Unique Number** : 10993713  
**Test Package** : FLEET ( Additional Tests: KV40 )

**RUSH TRUCK LEASING - CLEVELAND IDEALEASE**  
 5 ACORN DR  
 OAKWOOD VILLAGE, OH  
 US 44146-5550  
 Contact: JOHN FOSTER  
 FosterJ4@RushEnterprises.com  
 T: (440)359-7000  
 F: (440)439-5657

To discuss this sample report, contact Customer Service at 1-800-237-1369.  
 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.  
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)