



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**SOUTH HOLLAND**  
Machine Id  
**LINKBELT 75RT RT5861 (S/N TK8-5861)**  
Component  
**Diesel Engine**  
Fluid  
**DIESEL ENGINE OIL 10W40 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>HPL0003893</b>	HPL0002103	---
Sample Date		Client Info		<b>17 Apr 2024</b>	06 Apr 2023	---
Machine Age	hrs	Client Info		<b>4490</b>	3193	---
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 D5185m	>100	<b>28</b>	46	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	---
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>20	<b>9</b>	13	---
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>330	<b>6</b>	8	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

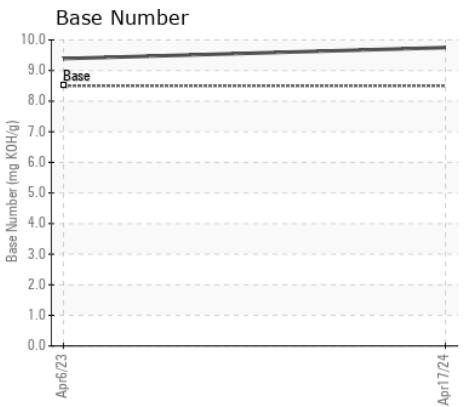
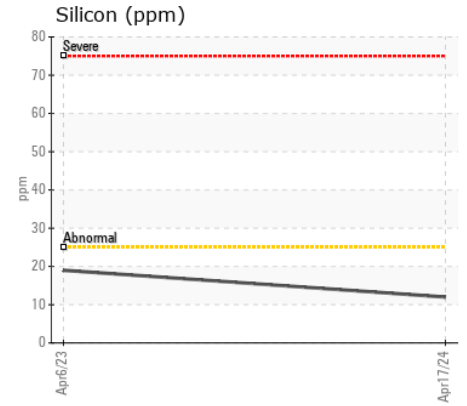
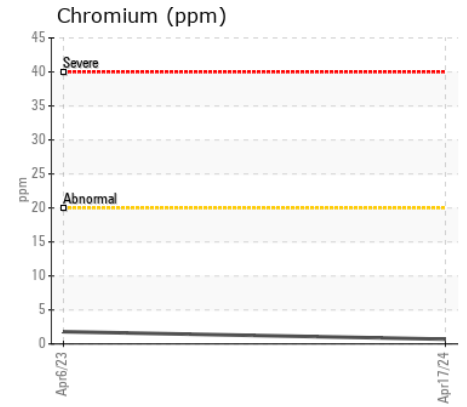
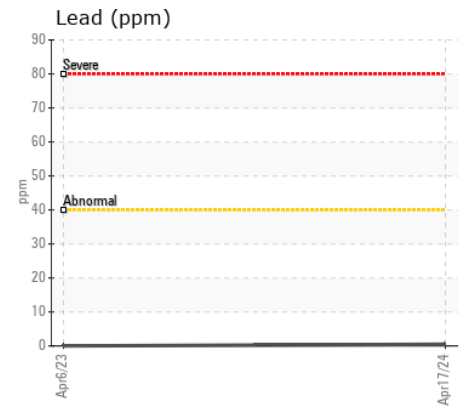
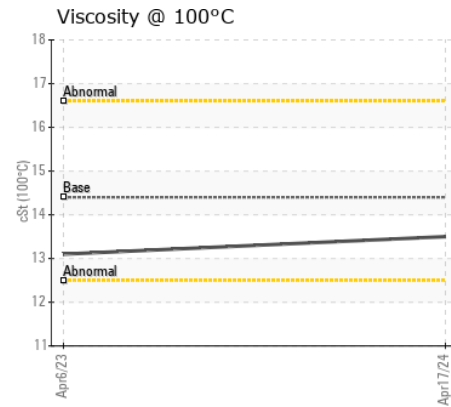
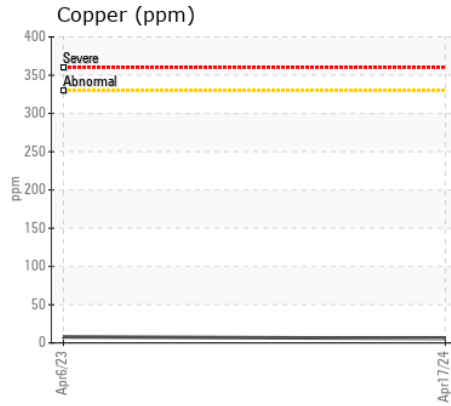
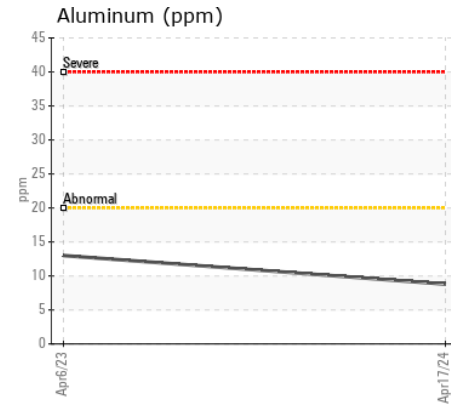
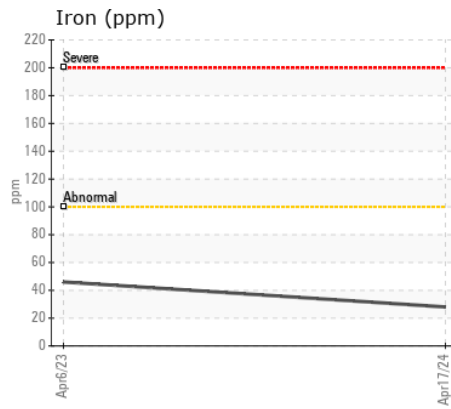
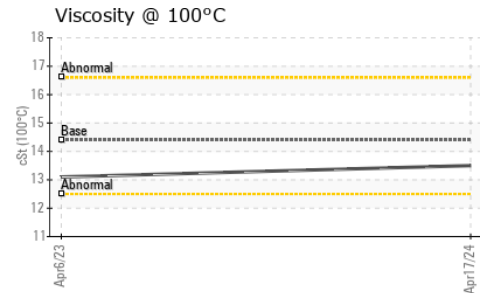
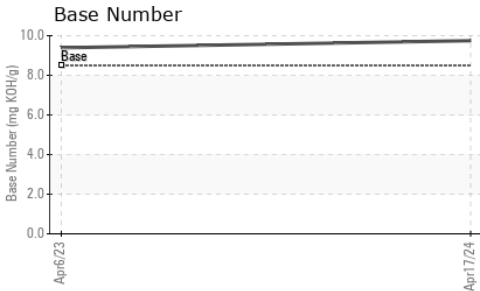
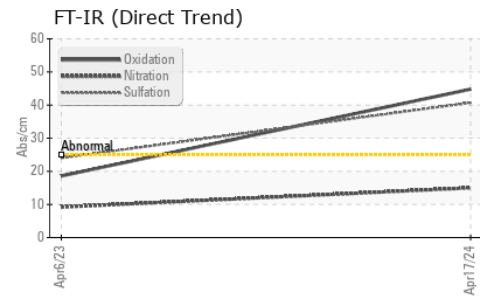
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>12</b>	19	---
Potassium	ppm	ASTM D5185m	>20	<b>0</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>0.2</b>	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>15.0</b>	9.2	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>40.7</b>	24.0	---
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	250	<b>11</b>	476	---
Barium	ppm	ASTM D5185m	10	<b>1</b>	0	---
Molybdenum	ppm	ASTM D5185m	100	<b>501</b>	249	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
Magnesium	ppm	ASTM D5185m	450	<b>924</b>	991	---
Calcium	ppm	ASTM D5185m	3000	<b>2477</b>	2960	---
Phosphorus	ppm	ASTM D5185m	1150	<b>879</b>	1175	---
Zinc	ppm	ASTM D5185m	1350	<b>1122</b>	1431	---
Sulfur	ppm	ASTM D5185m	4250	<b>8121</b>	6761	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>44.8</b>	18.6	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	<b>9.75</b>	9.39	---
Visc @ 100°C	cSt	ASTM D445	14.4	<b>13.5</b>	13.1	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : HPL0003893  
**Lab Number** : 06153331  
**Unique Number** : 10983409  
**Test Package** : MOB 2

**Received** : 18 Apr 2024  
**Tested** : 19 Apr 2024  
**Diagnosed** : 22 Apr 2024 - Sean Felton

**STEVENS ON CRANE**  
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F:

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)