



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
LINKBELT 85RT RT7093
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		HPL0004140	HPL0001622	---
Sample Date		Client Info		11 Jan 2024	09 Dec 2022	---
Machine Age	hrs	Client Info		2410	920	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	41	42	---
Chromium	ppm	ASTM D5185m	>20	1	<1	---
Nickel	ppm	ASTM D5185m	>4	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>20	8	4	---
Lead	ppm	ASTM D5185m	>40	2	0	---
Copper	ppm	ASTM D5185m	>330	60	379	---
Tin	ppm	ASTM D5185m	>15	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

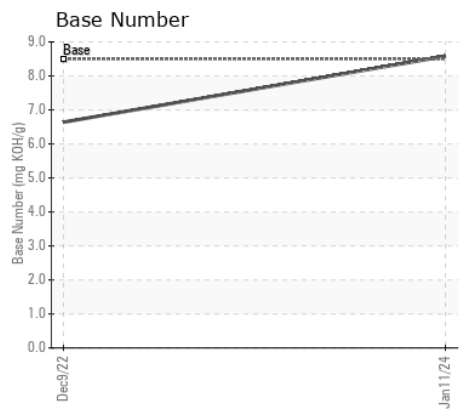
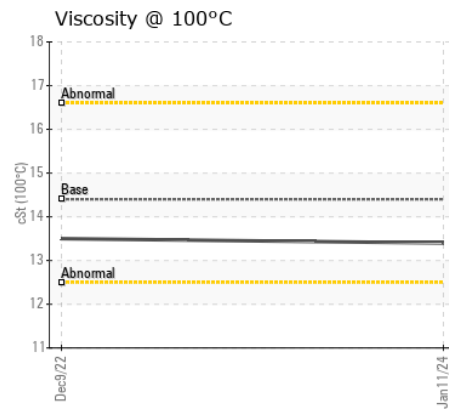
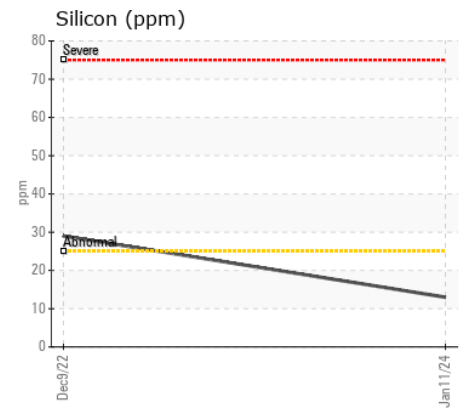
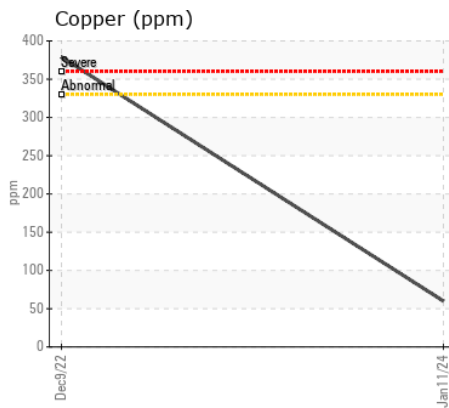
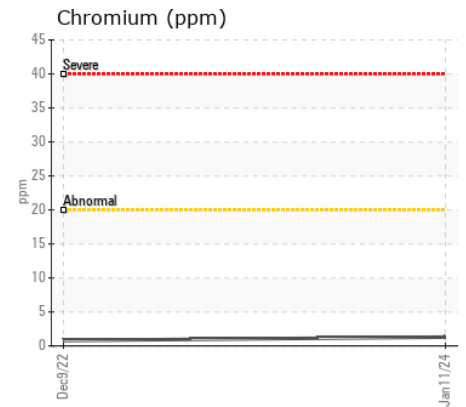
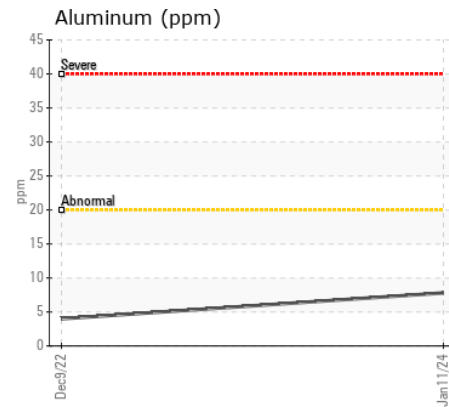
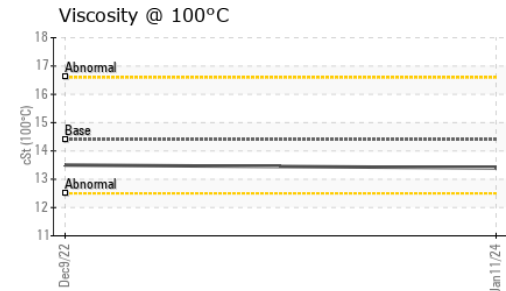
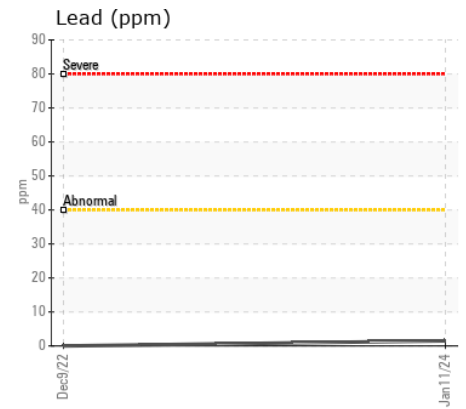
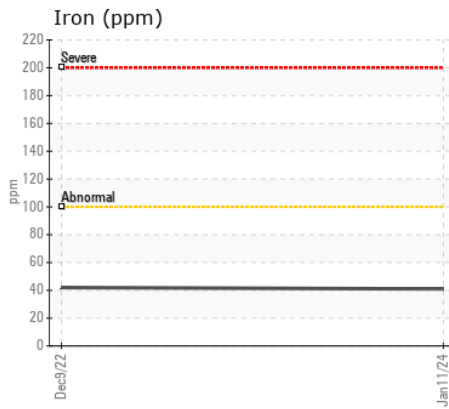
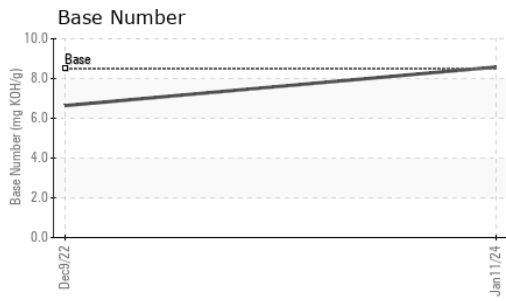
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	13	29	---
Potassium	ppm	ASTM D5185m	>20	2	2	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.1	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	14.9	10.3	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	41.8	25.0	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	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		2	6	---
Boron	ppm	ASTM D5185m	250	4	50	---
Barium	ppm	ASTM D5185m	10	1	5	---
Molybdenum	ppm	ASTM D5185m	100	477	7	---
Manganese	ppm	ASTM D5185m		2	4	---
Magnesium	ppm	ASTM D5185m	450	971	669	---
Calcium	ppm	ASTM D5185m	3000	2366	1271	---
Phosphorus	ppm	ASTM D5185m	1150	892	1013	---
Zinc	ppm	ASTM D5185m	1350	1193	1074	---
Sulfur	ppm	ASTM D5185m	4250	8003	3686	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	46.7	18.6	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.58	6.64	---
Visc @ 100°C	cSt	ASTM D445	14.4	13.4	13.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : HPL0004140 **Received** : 18 Jan 2024
Lab Number : 06064489 **Diagnosed** : 21 Jan 2024
Unique Number : 10835871 **Diagnostician** : Don Baldrige
Test Package : MOB 2

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)

STEVENS ON CRANE
 410 STEVENSON DR
 BOLINGBROOK, IL
 US 60440

Contact: DAVE KOEHNE
 davidk@stevensoncrane.com

T: (630)972-9199

F: