



# OIL ANALYSIS REPORT

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

Area  
**Store 1 - Cowen**  
Machine Id  
**COWEN BULK 15W40**  
Component  
**New (Unused) Oil**  
Fluid  
**{not provided} (--- QTS)**

## RECOMMENDATION

This is a baseline read-out on the submitted sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0047326</b>	LEC007617	---
Sample Date		Client Info		<b>21 Feb 2024</b>	16 Sep 2008	---
Machine Age	hrs	Client Info		<b>0</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>Not Changed</b>	N/A	---
Filter Changed		Client Info		<b>Not Changed</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

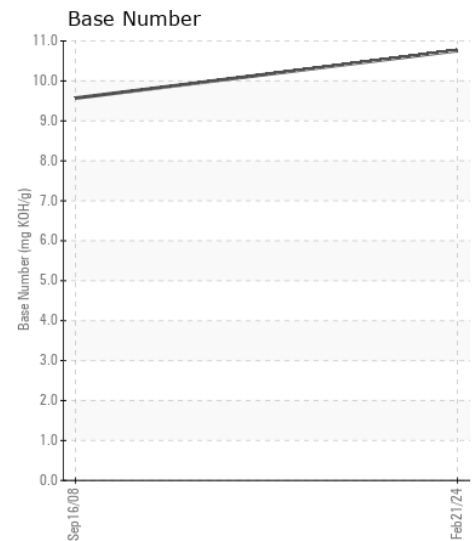
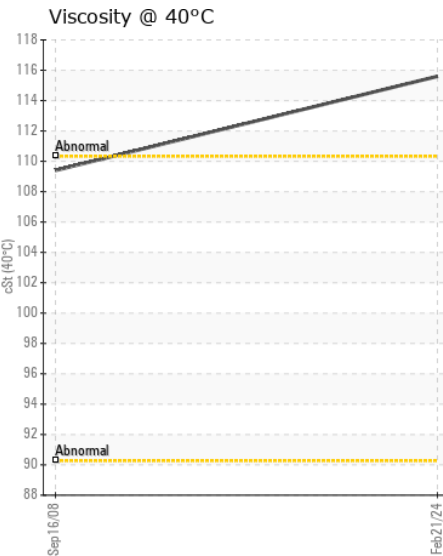
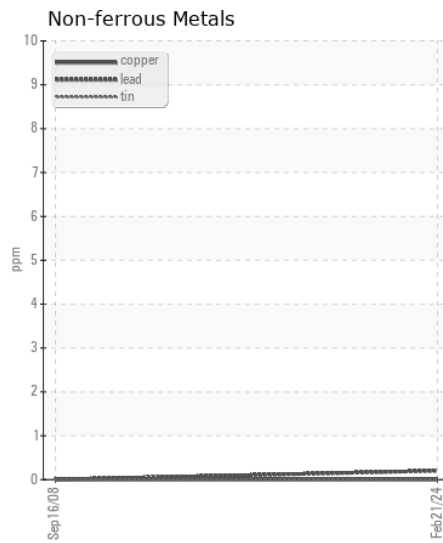
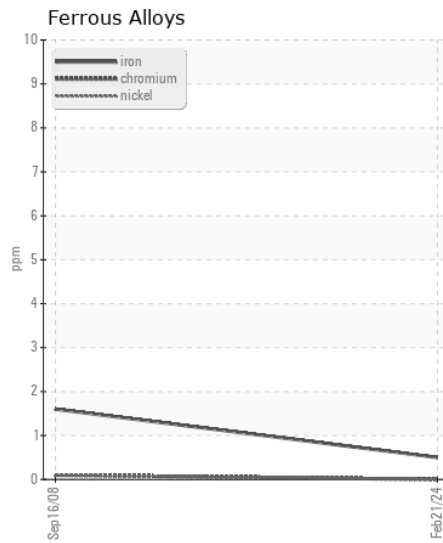
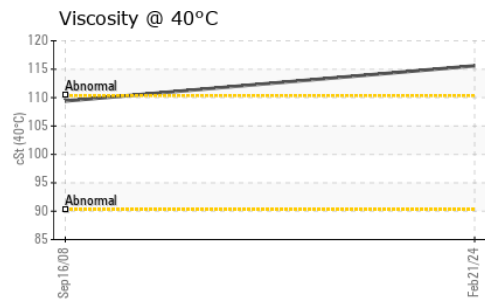
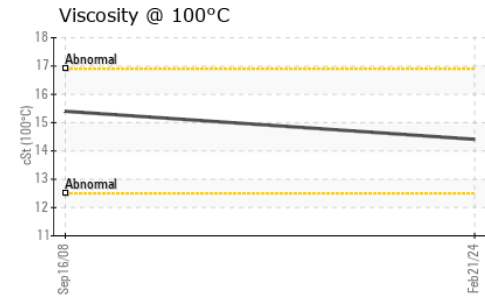
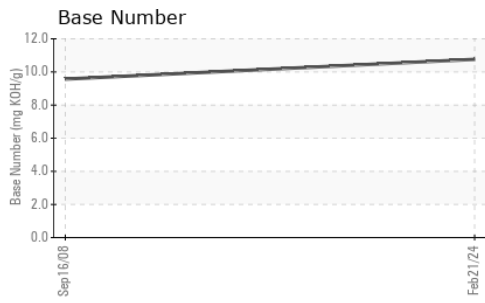
Iron	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Chromium	ppm	ASTM D5185m		<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m		<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m		<b>3</b>	<1	---
Lead	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m		<b>0</b>	0	---
Tin	ppm	ASTM D5185m		<b>0</b>	0	---
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

Silicon	ppm	ASTM D5185m		<b>7</b>	11	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	2	---
Water		WC Method		<b>NEG</b>	NEG	---
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		<b>NEG</b>	NEG	---

## FLUID CONDITION

Sodium	ppm	ASTM D5185m		<b>2</b>	2	---
Boron	ppm	ASTM D5185m		<b>271</b>	6	---
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Molybdenum	ppm	ASTM D5185m		<b>222</b>	2	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	5	---
Magnesium	ppm	ASTM D5185m		<b>697</b>	906	---
Calcium	ppm	ASTM D5185m		<b>1458</b>	1334	---
Phosphorus	ppm	ASTM D5185m		<b>884</b>	1073	---
Zinc	ppm	ASTM D5185m		<b>1000</b>	1180	---
Sulfur	ppm	ASTM D5185m		<b>3068</b>	4867	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>10.76</b>	9.57	---
Visc @ 40°C	cSt	ASTM D445		<b>115.6</b>	109.4	---
Visc @ 100°C	cSt	ASTM D445		<b>14.41</b>	15.4	---
Viscosity Index (VI)	Scale	ASTM D2270		<b>126</b>	148	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0047326  
**Lab Number** : 06098804  
**Unique Number** : 10897034  
**Test Package** : CONST ( Additional Tests: FT-IR, ICP-NewOil, KV100, PQ, TBN, VI )

**Received** : 23 Feb 2024  
**Tested** : 29 Feb 2024  
**Diagnosed** : 29 Feb 2024 - Jonathan Hester

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.com

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)

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