



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
LU2309
 Component
New (Unused) Oil
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC	---	---
Sample Date		Client Info		18 Sep 2023	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

{not applicable}

Iron	ppm	ASTM D5185(m)	>5	<1	---	---
Chromium	ppm	ASTM D5185(m)	>5	0	---	---
Nickel	ppm	ASTM D5185(m)	>5	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>5	0	---	---
Aluminum	ppm	ASTM D5185(m)	>5	<1	---	---
Lead	ppm	ASTM D5185(m)	>5	0	---	---
Copper	ppm	ASTM D5185(m)	>5	0	---	---
Tin	ppm	ASTM D5185(m)	>5	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

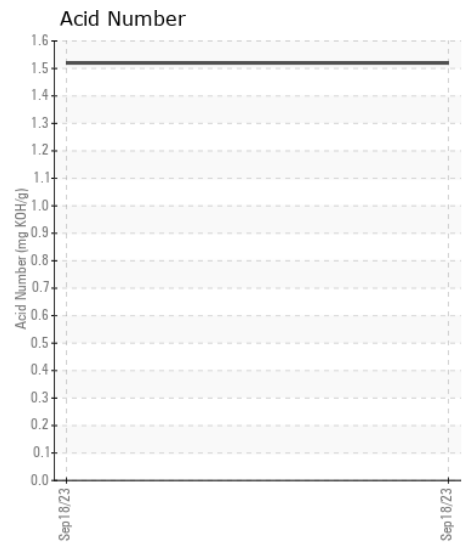
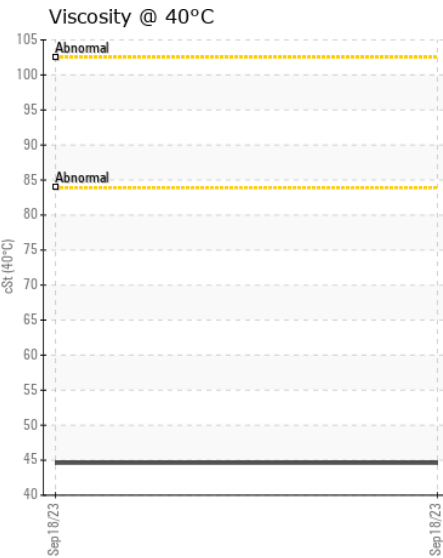
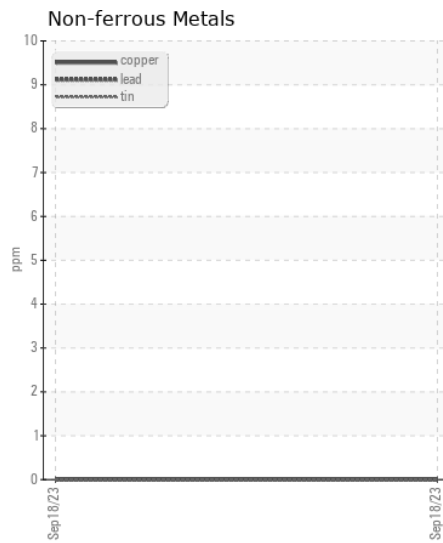
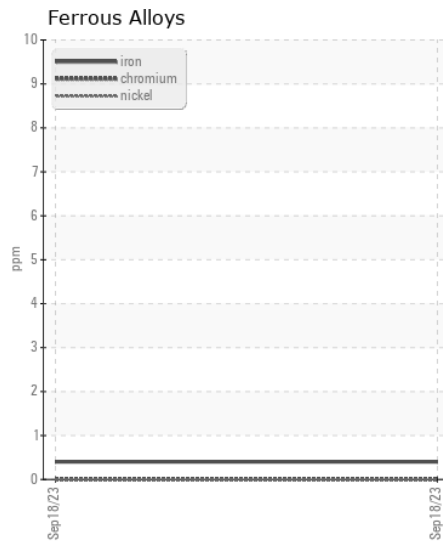
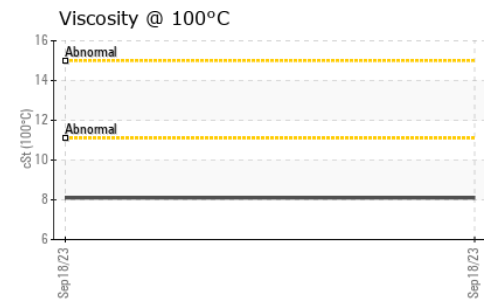
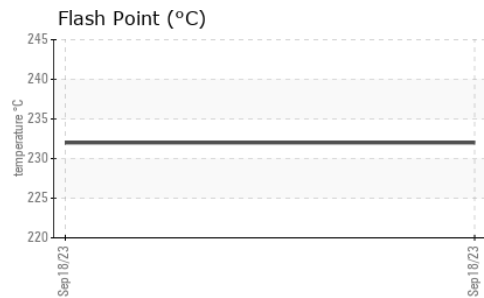
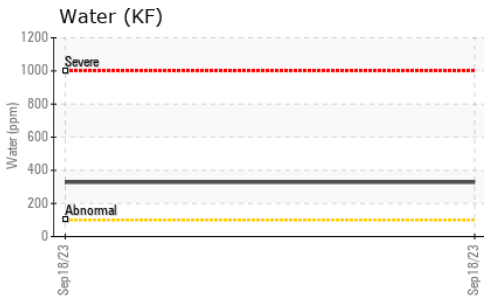
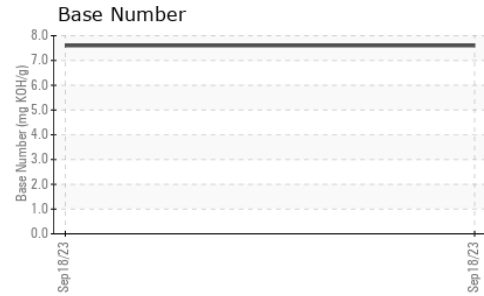
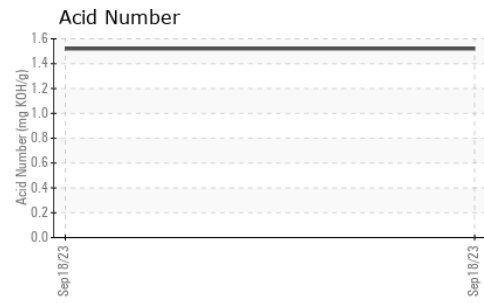
{not applicable}

Silicon	ppm	ASTM D5185(m)	>15	8	---	---
Potassium	ppm	ASTM D5185(m)	>20	0	---	---
Water	%	ASTM D6304*		0.032	---	---
ppm Water	ppm	ASTM D6304*		328.0	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		5.1	---	---
Sulfation	Abs/.1mm	ASTM D7415*		14.2	---	---

FLUID CONDITION

{not applicable}

Sodium	ppm	ASTM D5185(m)		1	---	---
Boron	ppm	ASTM D5185(m)		62	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		70	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)		440	---	---
Calcium	ppm	ASTM D5185(m)		1090	---	---
Phosphorus	ppm	ASTM D5185(m)		620	---	---
Zinc	ppm	ASTM D5185(m)		700	---	---
Sulfur	ppm	ASTM D5185(m)		1980	---	---
Oxidation	Abs/.1mm	ASTM D7414*		7.5	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		1.52	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		7.60	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		44.6	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		8.1	---	---
Pour Point	°C	ASTM D97*		-39	---	---
COC Flash Point	°C	ASTM D92*		232	---	---
ASTM Color	scalar	ASTM D1500*		3.5	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC
Lab Number : 02583739
Unique Number : 5644804
Test Package : LU (Additional Tests: VI)

Received : 19 Sep 2023
Tested : 22 Dec 2023
Diagnosed : 27 Feb 2024 - Kevin Marson

ASTM
 100 BARR HARBOR DRIVE
 WEST CONSHOHOCKEN, PA
 US 19428
 Contact: DAVID R. BRADLEY

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.

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