



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
LAKESHORE E1 FIRE
 Component
Power Take Off
 Fluid
ATF (--- LTR)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0867257	---	---
Sample Date		Client Info		11 Mar 2024	---	---
Machine Age	hrs	Client Info		19	---	---
Oil Age	hrs	Client Info		19	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184*		33	---	---
Iron	ppm	ASTM D5185(m)	>200	72	---	---
Chromium	ppm	ASTM D5185(m)	>10	<1	---	---
Nickel	ppm	ASTM D5185(m)		<1	---	---
Titanium	ppm	ASTM D5185(m)		1	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>50	4	---	---
Lead	ppm	ASTM D5185(m)	>50	0	---	---
Copper	ppm	ASTM D5185(m)	>200	4	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

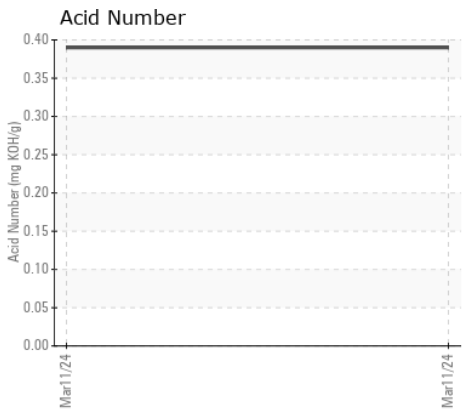
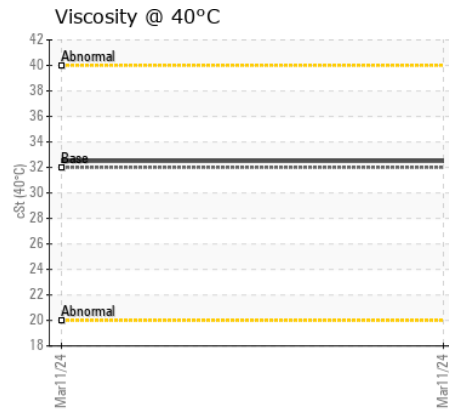
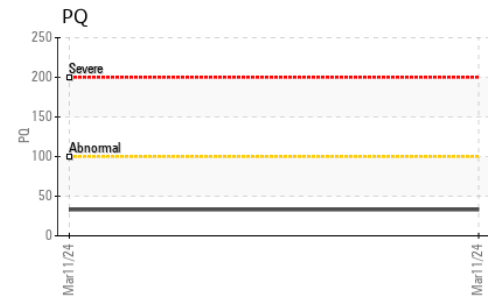
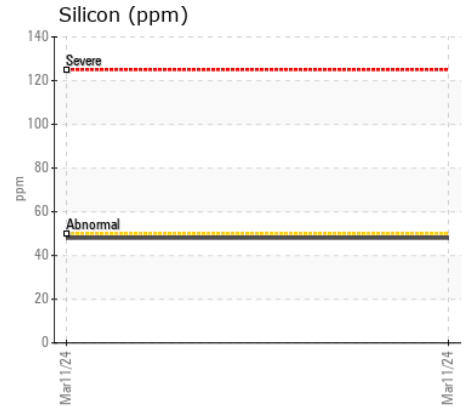
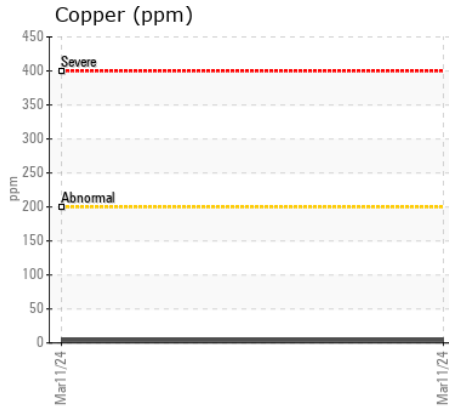
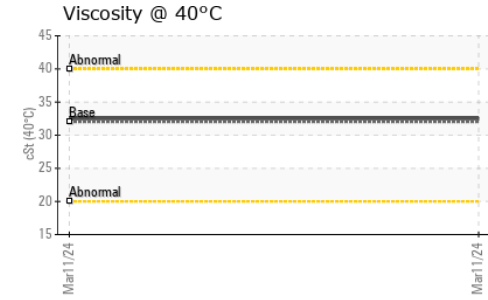
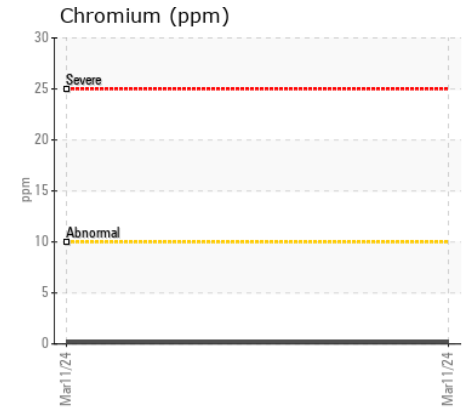
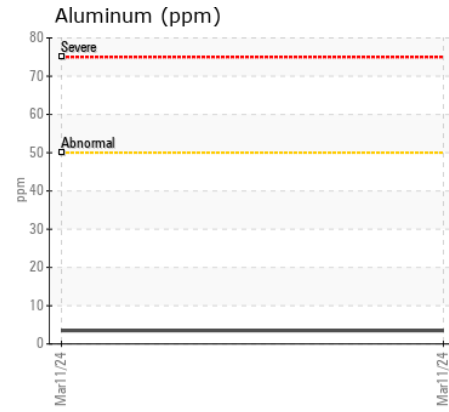
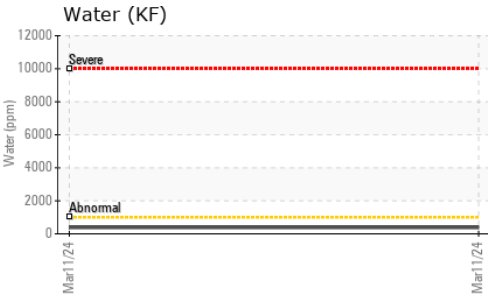
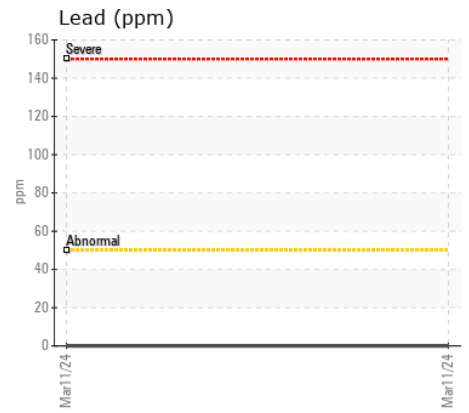
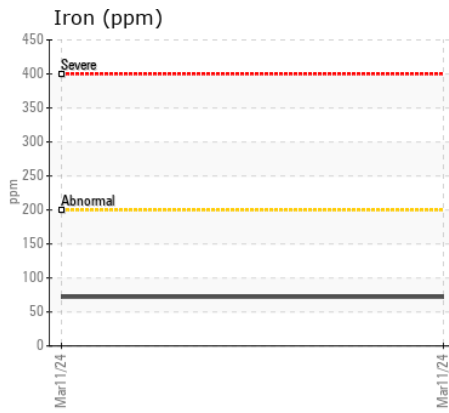
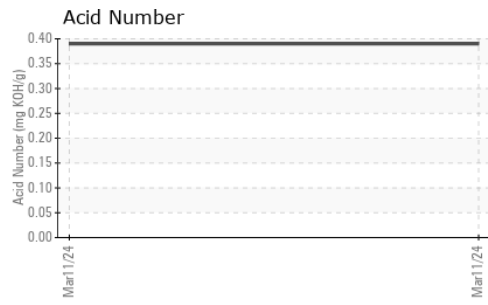
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	48	---	---
Potassium	ppm	ASTM D5185(m)	>20	9	---	---
Water	%	ASTM D6304*	>0.1	0.038	---	---
ppm Water	ppm	ASTM D6304*	>1000	383	---	---
Silt	scalar	Visual*	NONE	VLITE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	.2%	---	---

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		4	---	---
Boron	ppm	ASTM D5185(m)		52	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)		6	---	---
Calcium	ppm	ASTM D5185(m)		39	---	---
Phosphorus	ppm	ASTM D5185(m)		132	---	---
Zinc	ppm	ASTM D5185(m)		22	---	---
Sulfur	ppm	ASTM D5185(m)		920	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		0.39	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	32.0	32.5	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0867257
Lab Number : 02626702
Unique Number : 5759834
Test Package : MOB 2 (Additional Tests: KF, PQ)

Windsor Spring & Alignment Ltd.
 1016 Crawford Ave.
 Windsor, ON
 CA N9A 5C9
 Contact: Al Lemay
 windsorspring@hotmail.com
 T: (519)971-8895
 F: (519)971-8932

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.