



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
LAKESHORE E3 3163
 Component
Transmission (Auto)
 Fluid
CASTROL TRANSYND (20 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0933479	WC0760626	WC0661122
Sample Date		Client Info		24 Jun 2024	21 Jun 2023	13 Jun 2022
Machine Age	kms	Client Info		43448	40627	37691
Oil Age	kms	Client Info		20259	17438	14502
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>230	29	28	28
Chromium	ppm	ASTM D5185(m)	>2	0	<1	0
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	<1	<1	<1
Silver	ppm	ASTM D5185(m)	>5	0	0	0
Aluminum	ppm	ASTM D5185(m)	>65	5	6	5
Lead	ppm	ASTM D5185(m)	>55	13	13	13
Copper	ppm	ASTM D5185(m)	>85	8	7	7
Tin	ppm	ASTM D5185(m)	>5	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

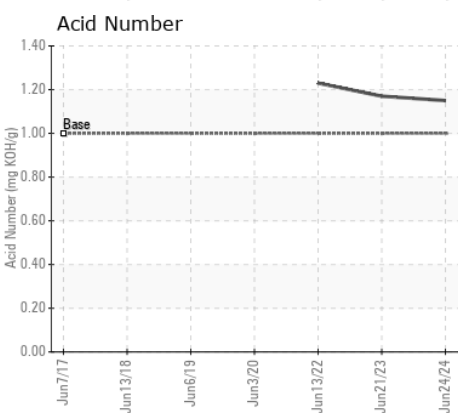
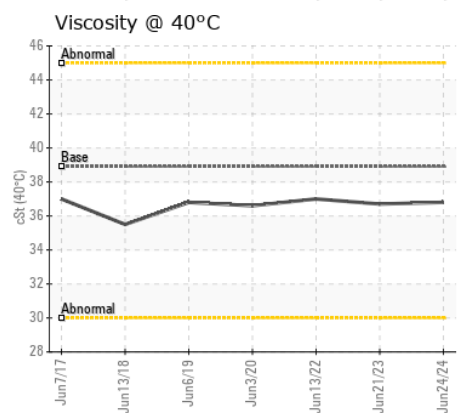
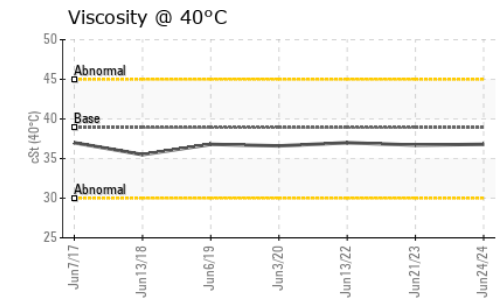
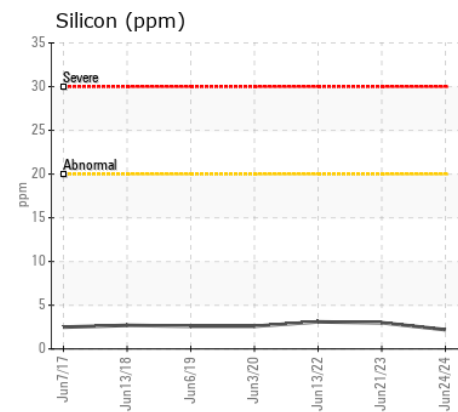
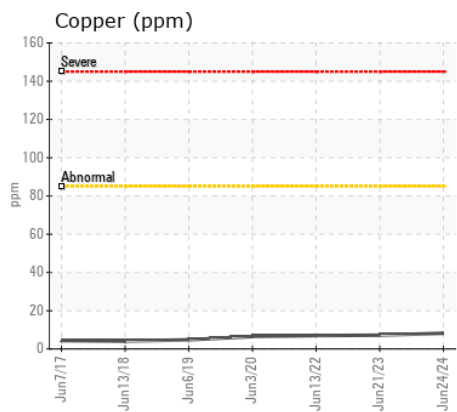
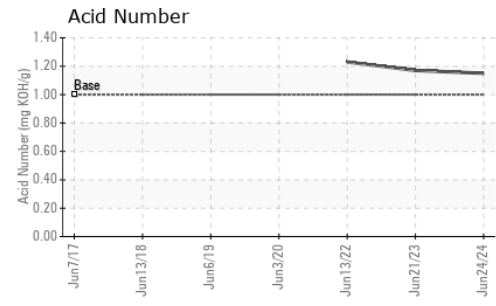
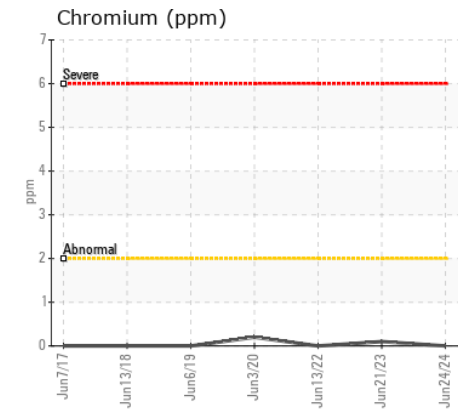
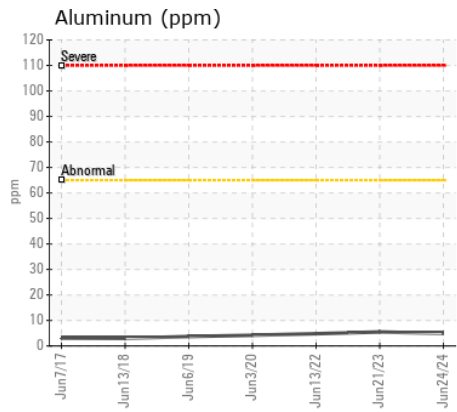
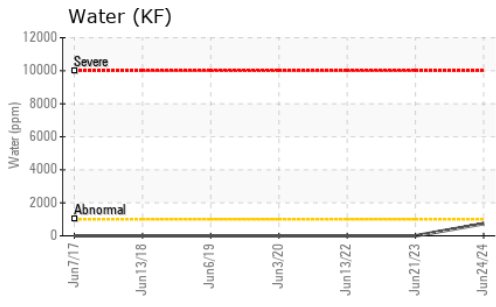
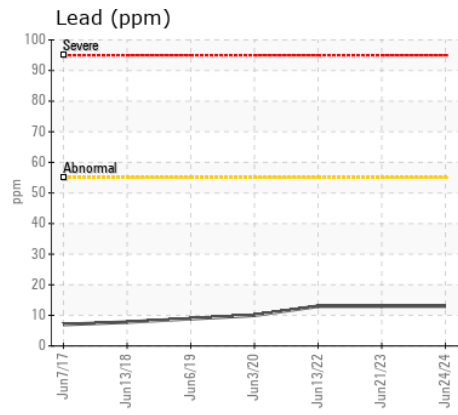
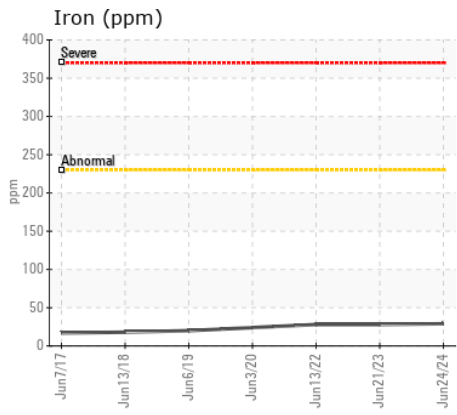
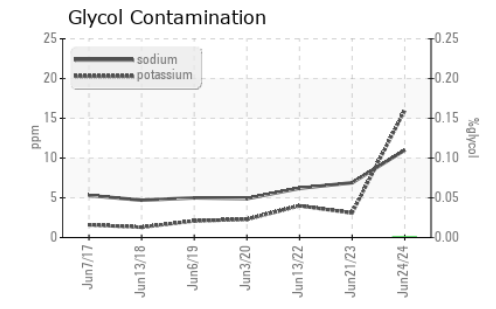
The water content is negligible. There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	2	3	3
Potassium	ppm	ASTM D5185(m)	>20	16	3	4
Water	%	ASTM D6304*	>0.1	0.073	---	---
ppm Water	ppm	ASTM D6304*	>1000	737	---	---
Glycol	%	ASTM D7922*		0.0	---	---
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	.2%	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		11	7	6
Boron	ppm	ASTM D5185(m)	150	52	94	104
Barium	ppm	ASTM D5185(m)	0	<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)	0	<1	<1	<1
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	0	<1	<1	<1
Calcium	ppm	ASTM D5185(m)	40	40	40	41
Phosphorus	ppm	ASTM D5185(m)	320	262	286	292
Zinc	ppm	ASTM D5185(m)	5	11	11	12
Sulfur	ppm	ASTM D5185(m)	1050	266	252	348
Acid Number (AN)	mg KOH/g	ASTM D974*	1.0	1.15	1.17	1.23
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	36.8	36.7	37.0



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0933479 **Received** : 27 Jun 2024
Lab Number : 02644390 **Tested** : 28 Jun 2024
Unique Number : 5801929 **Diagnosed** : 28 Jun 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: Glycol, KF, TAN Man)

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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.