



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
LAKESHORE R3
 Component
Rear Differential
 Fluid
GEAR OIL SAE 80W90 (19 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

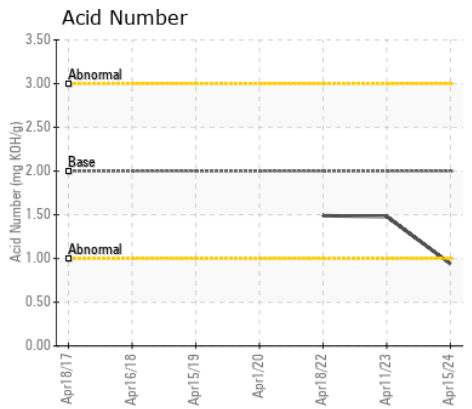
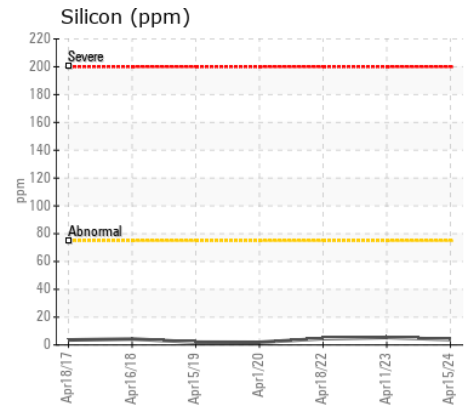
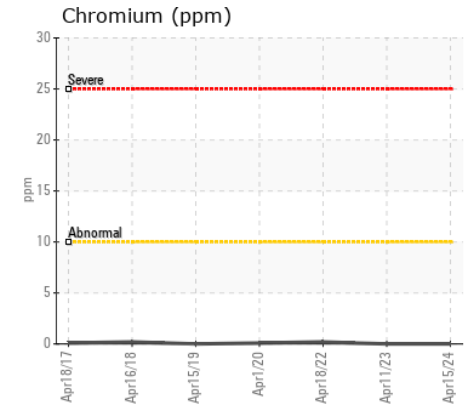
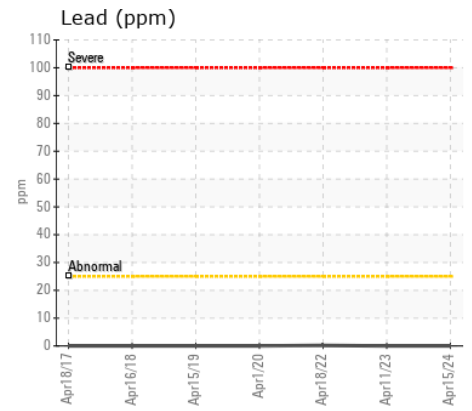
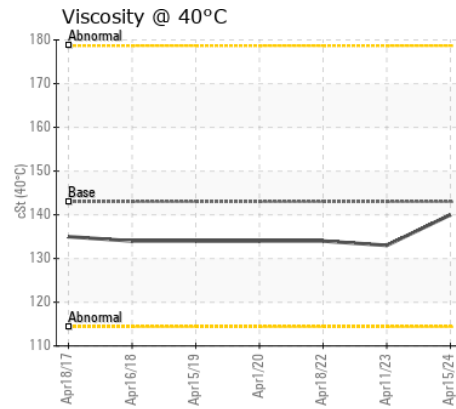
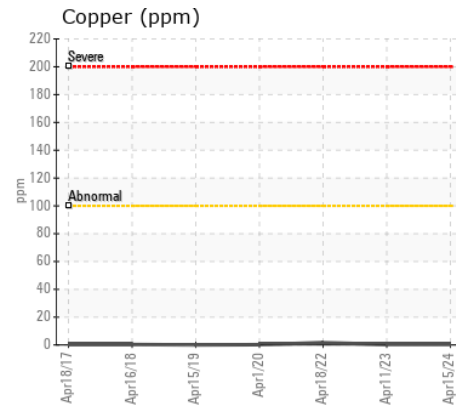
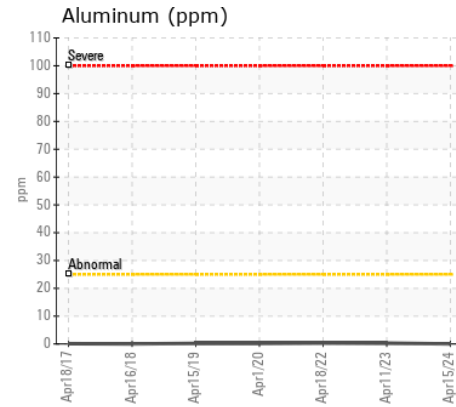
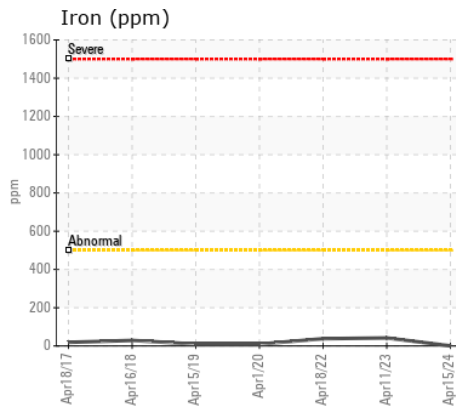
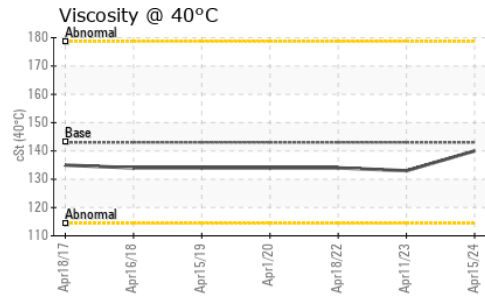
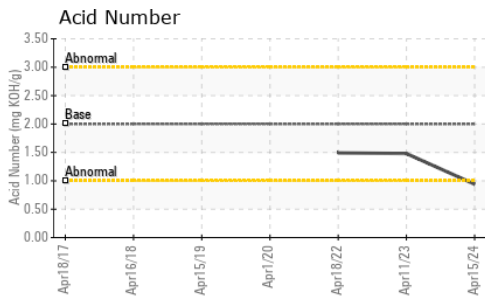
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0867261	WC0760646	WC0661107
Sample Date		Client Info		15 Apr 2024	11 Apr 2023	18 Apr 2022
Machine Age	kms	Client Info		28281	26505	23424
Oil Age	kms	Client Info		17121	15345	12264
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	SEVERE

Iron	ppm	ASTM D5185(m)	>500	<1	42	38
Chromium	ppm	ASTM D5185(m)	>10	0	0	<1
Nickel	ppm	ASTM D5185(m)	>10	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	0	<1	<1
Lead	ppm	ASTM D5185(m)	>25	0	0	<1
Copper	ppm	ASTM D5185(m)	>100	<1	<1	2
Tin	ppm	ASTM D5185(m)	>10	0	0	<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

Silicon	ppm	ASTM D5185(m)	>75	4	5	5
Potassium	ppm	ASTM D5185(m)	>20	0	0	2
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	▲ MILKY
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>.2	NEG	NEG	▲ .5%

Sodium	ppm	ASTM D5185(m)	>170	<1	3	2
Boron	ppm	ASTM D5185(m)	400	2	232	192
Barium	ppm	ASTM D5185(m)	200	0	<1	<1
Molybdenum	ppm	ASTM D5185(m)	12	0	0	<1
Manganese	ppm	ASTM D5185(m)		0	3	3
Magnesium	ppm	ASTM D5185(m)	12	0	1	<1
Calcium	ppm	ASTM D5185(m)	150	8	11	8
Phosphorus	ppm	ASTM D5185(m)	1650	269	1107	1095
Zinc	ppm	ASTM D5185(m)	125	5	50	46
Sulfur	ppm	ASTM D5185(m)	22500	19748	19102	19669
Acid Number (AN)	mg KOH/g	ASTM D974*	2.00	0.94	1.48	1.49
Visc @ 40°C	cSt	ASTM D7279(m)	143	140	133	134



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0867261
Lab Number : 02630000
Unique Number : 5763132
Test Package : MOB 2 (Additional Tests: TAN Man)

Received : 18 Apr 2024
Tested : 18 Apr 2024
Diagnosed : 18 Apr 2024 - Wes Davis

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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.