



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
LAKESHORE T4
 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

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

FLUID CONDITION

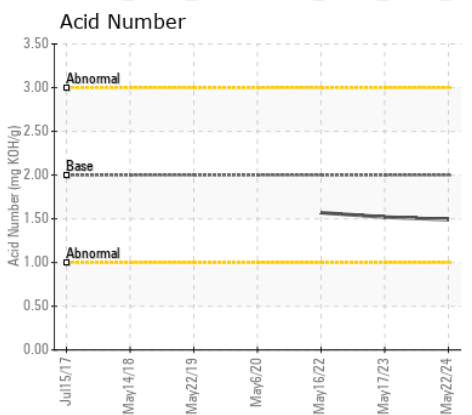
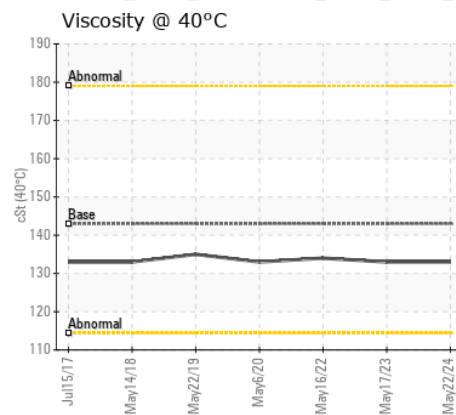
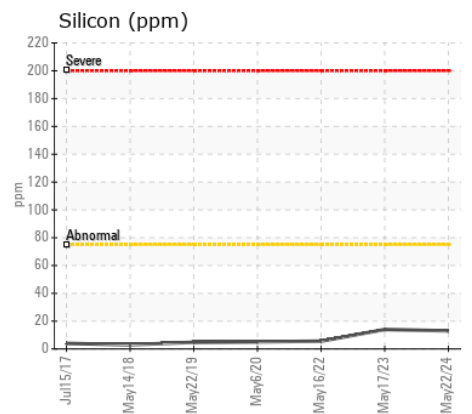
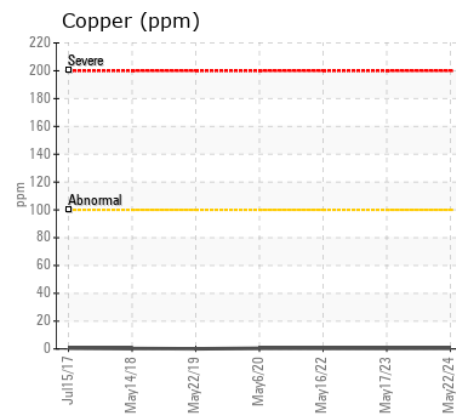
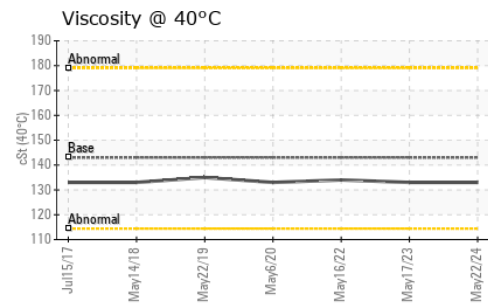
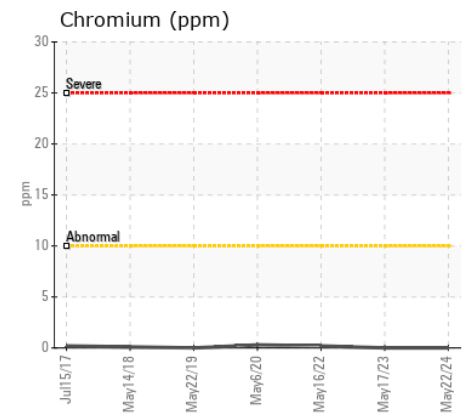
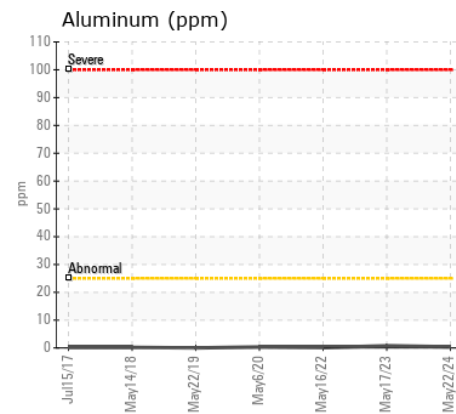
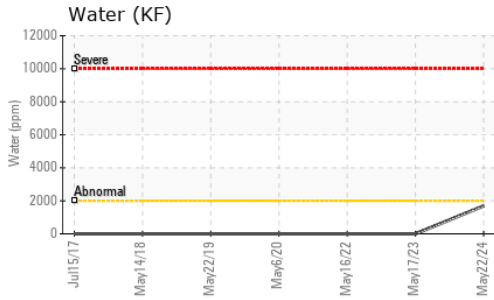
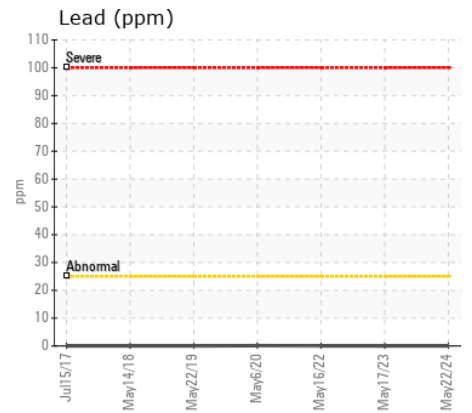
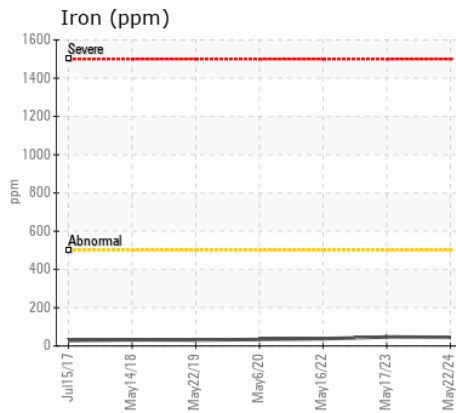
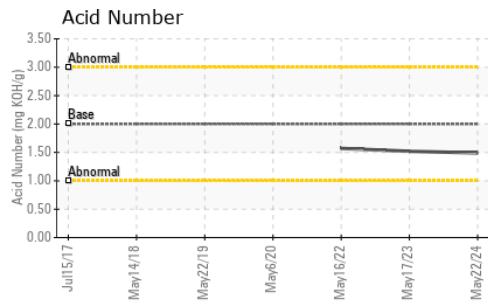
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0933486	WC0815789	WC0661127
Sample Date		Client Info		22 May 2024	17 May 2023	16 May 2022
Machine Age	kms	Client Info		35818	33683	30863
Oil Age	kms	Client Info		18491	16311	13536
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

Iron	ppm	ASTM D5185(m)	>500	45	47	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	<1	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>25	0	0	0
Copper	ppm	ASTM D5185(m)	>100	<1	<1	<1
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	13	14	6
Potassium	ppm	ASTM D5185(m)	>20	17	19	20
Water	%	ASTM D6304*	>.2	0.169	---	---
ppm Water	ppm	ASTM D6304*	>2000	1693	---	---
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*	>.2	.2%	NEG	NEG

Sodium	ppm	ASTM D5185(m)	>170	5	4	4
Boron	ppm	ASTM D5185(m)	400	178	204	203
Barium	ppm	ASTM D5185(m)	200	1	<1	<1
Molybdenum	ppm	ASTM D5185(m)	12	0	<1	<1
Manganese	ppm	ASTM D5185(m)		3	3	3
Magnesium	ppm	ASTM D5185(m)	12	4	3	2
Calcium	ppm	ASTM D5185(m)	150	20	16	15
Phosphorus	ppm	ASTM D5185(m)	1650	974	1076	1062
Zinc	ppm	ASTM D5185(m)	125	34	28	26
Sulfur	ppm	ASTM D5185(m)	22500	19092	19620	19851
Acid Number (AN)	mg KOH/g	ASTM D974*	2.00	1.49	1.52	1.57
Visc @ 40°C	cSt	ASTM D7279(m)	143	133	133	134



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0933486
Lab Number : 02637522
Unique Number : 5786684
Test Package : MOB 2 (Additional Tests: KF, TAN Man)

Received : 24 May 2024
Tested : 27 May 2024
Diagnosed : 27 May 2024 - Wes Davis

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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