



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
LAKESHORE R3
Component
Genset
Fluid
DEXRON III (11 LTR)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DEXRON III. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0867263	WC0760644	WC0661109
Sample Date		Client Info		15 Apr 2024	11 Apr 2023	18 Apr 2022
Machine Age	hrs	Client Info		254	0	0
Oil Age	hrs	Client Info		9	31	11
Filter Age	hrs	Client Info		9	31	11
Oil Changed		Client Info		N/A	Changed	Not Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	SEVERE	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185(m)	>50	<1	1	<1
Chromium	ppm	ASTM D5185(m)	>4	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	0
Aluminum	ppm	ASTM D5185(m)	>12	<1	1	1
Lead	ppm	ASTM D5185(m)	>17	3	7	7
Copper	ppm	ASTM D5185(m)	>70	5	9	9
Tin	ppm	ASTM D5185(m)	>15	<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

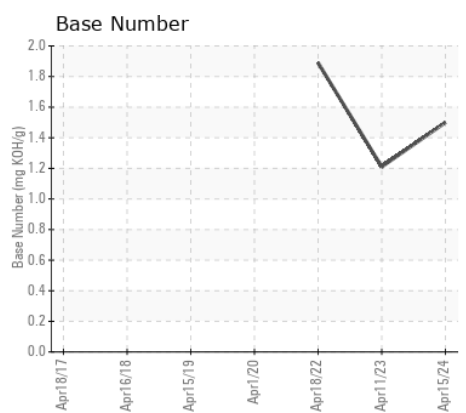
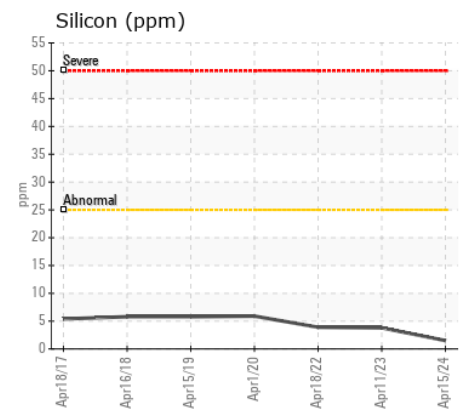
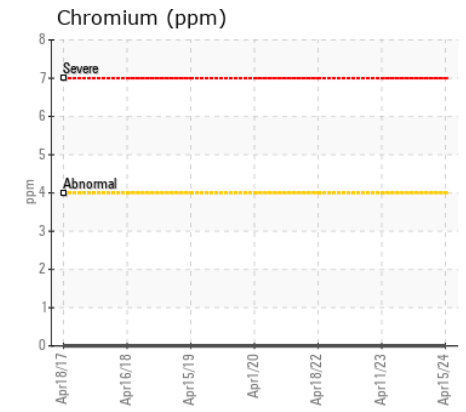
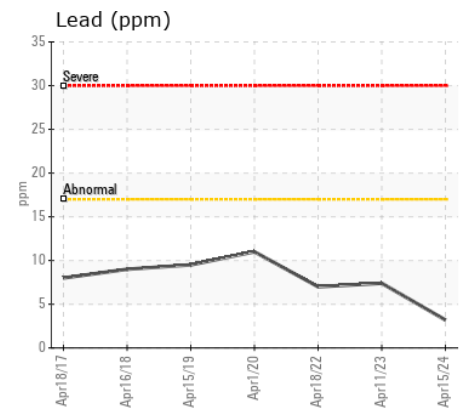
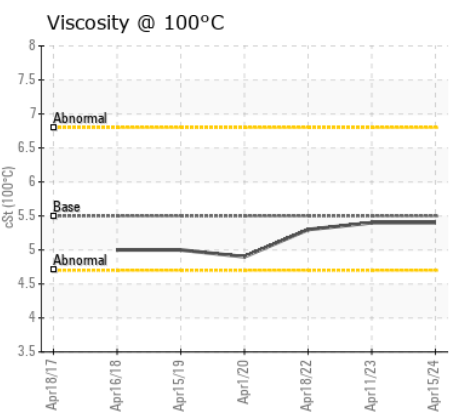
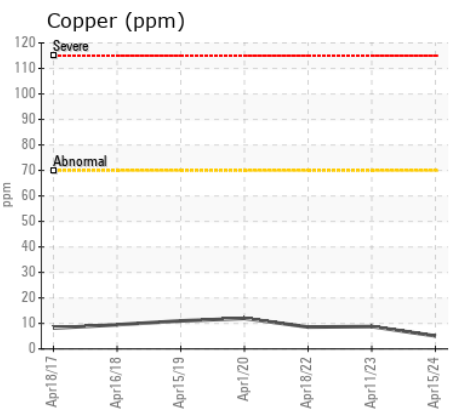
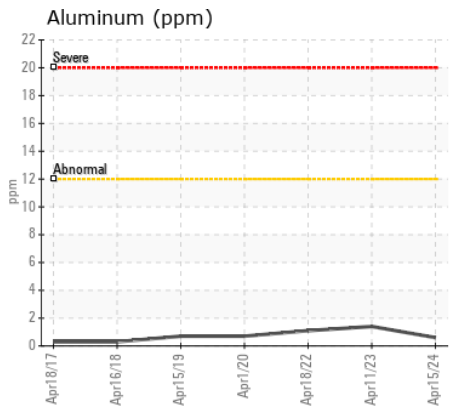
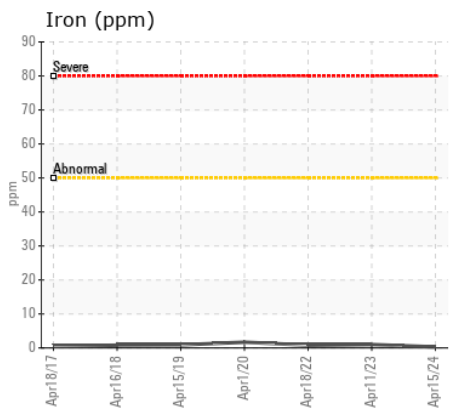
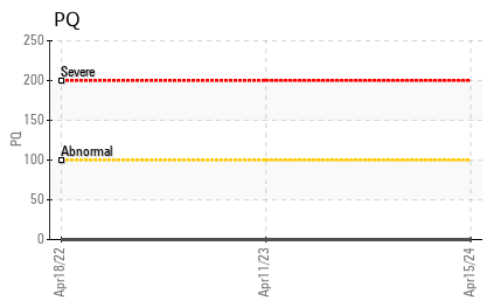
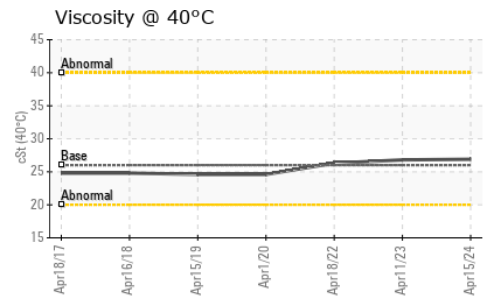
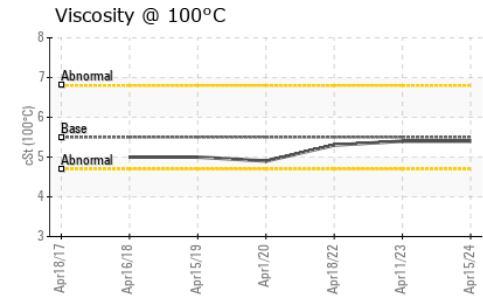
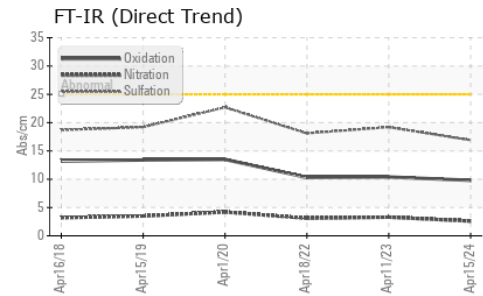
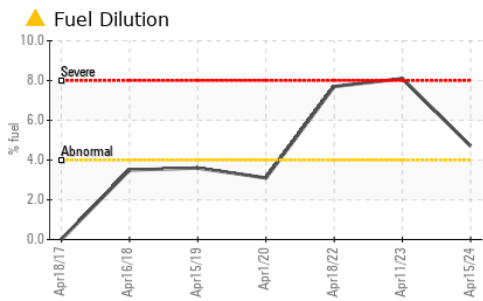
There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Silicon	ppm	ASTM D5185(m)	>25	2	4	4
Potassium	ppm	ASTM D5185(m)	>20	<1	0	2
Fuel	%	ASTM D7593*	>4.0	▲ 4.7	▲ 8.1	▲ 7.7
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	2.6	3.3	3.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	16.9	19.2	18.1
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	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	NEG	NEG	NEG

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)		3	4	4
Boron	ppm	ASTM D5185(m)		73	52	53
Barium	ppm	ASTM D5185(m)		<1	0	<1
Molybdenum	ppm	ASTM D5185(m)		0	2	2
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		6	10	11
Calcium	ppm	ASTM D5185(m)		96	118	126
Phosphorus	ppm	ASTM D5185(m)		220	239	227
Zinc	ppm	ASTM D5185(m)		68	115	124
Sulfur	ppm	ASTM D5185(m)		634	668	677
Oxidation	Abs/.1mm	ASTM D7414*	>25	9.8	10.4	10.3
Base Number (BN)	mg KOH/g	ASTM D2896*		1.50	1.21	1.89
Visc @ 40°C	cSt	ASTM D7279(m)	26.0	26.9	26.8	26.3
Visc @ 100°C	cSt	ASTM D7279(m)	5.5	5.4	5.4	5.3
Viscosity Index (VI)	Scale	ASTM D2270*	155	140	141	138



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0867263 **Received** : 18 Apr 2024
Lab Number : 02629982 **Tested** : 19 Apr 2024
Unique Number : 5763114 **Diagnosed** : 19 Apr 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: KV40, PercentFuel, PQ, VI, Visual)

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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.