



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
LAKESHORE E4
Component
Genset
Fluid
ATF 3 (60 LTR)

RECOMMENDATION

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We advise that you use off-line filtration with water adsorbent filters to attempt to remove the water from this oil. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

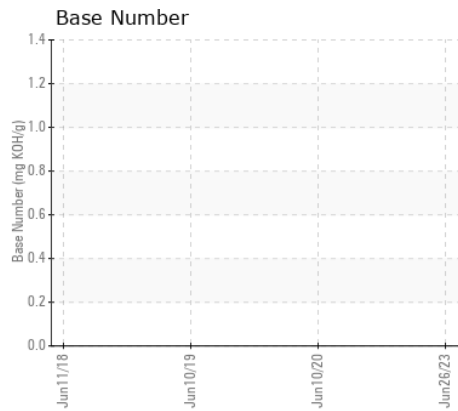
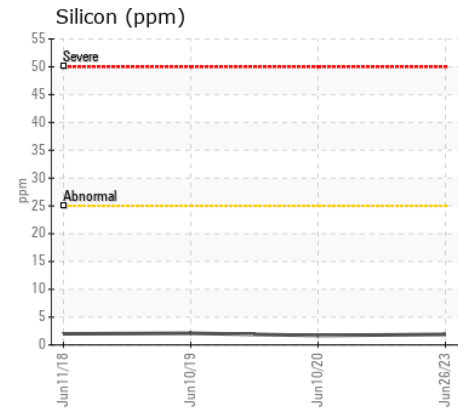
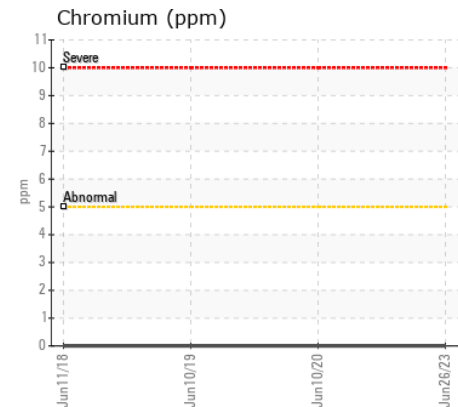
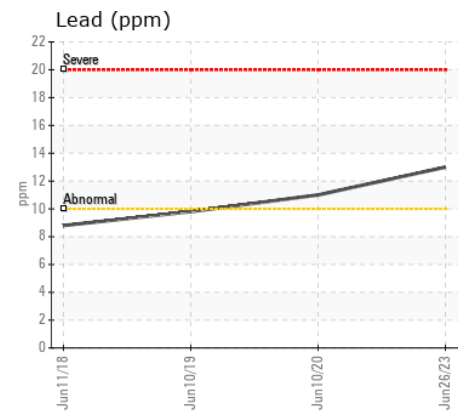
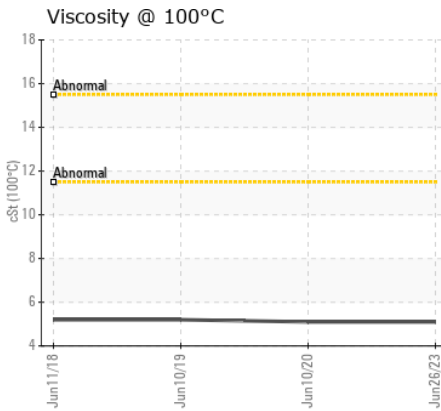
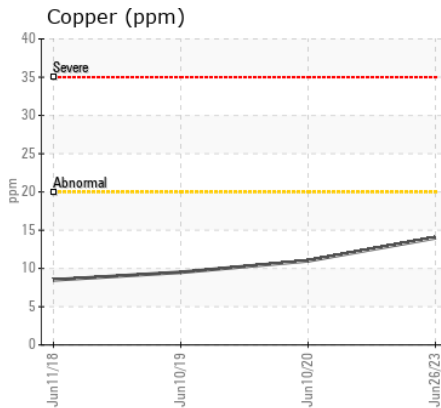
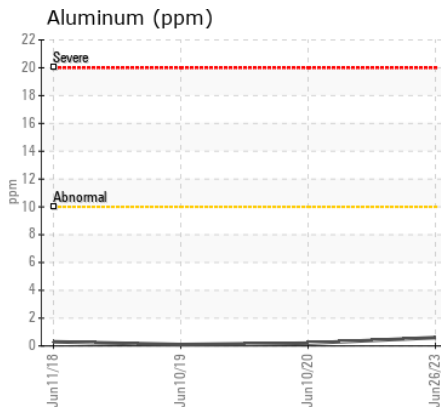
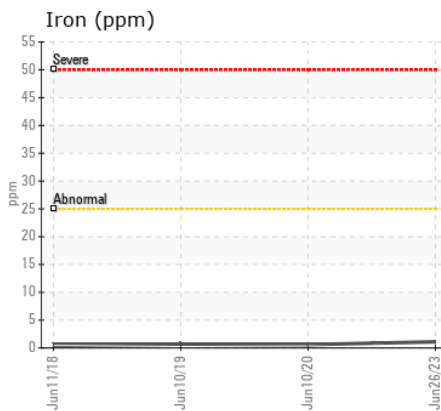
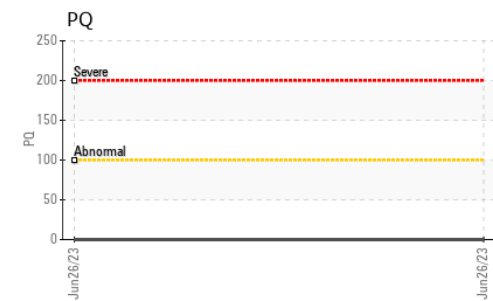
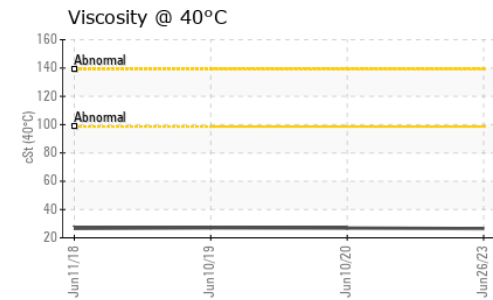
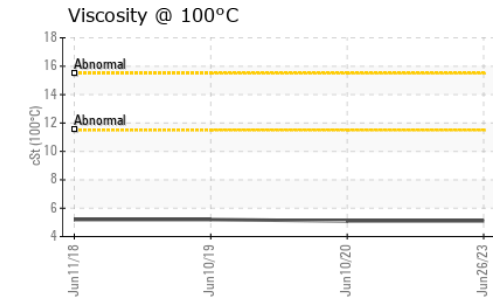
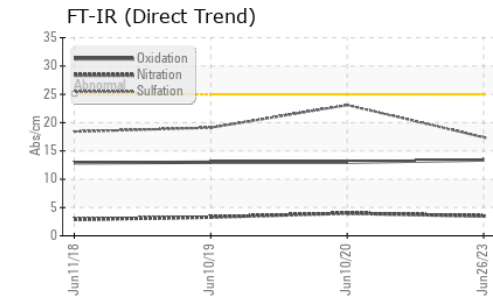
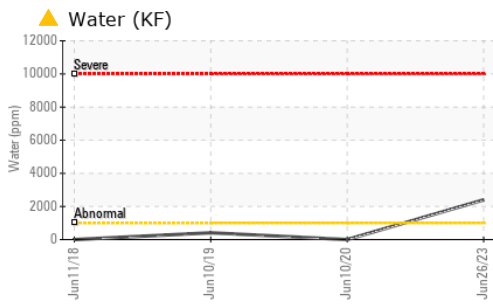
CONTAMINATION

There is a moderate concentration of water present in the oil.

FLUID CONDITION

The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0760632	AP108389	AP108425
Sample Date		Client Info		26 Jun 2023	10 Jun 2020	10 Jun 2019
Machine Age	kms	Client Info		30	0	0
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
PQ		ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m)	>25	1	<1	<1
Chromium	ppm	ASTM D5185(m)	>5	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	0
Aluminum	ppm	ASTM D5185(m)	>10	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>10	13	11	10
Copper	ppm	ASTM D5185(m)	>20	14	11	10
Tin	ppm	ASTM D5185(m)	>5	2	<1	<1
Vanadium	ppm	ASTM D5185(m)		<1	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>25	2	2	2
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Fuel		WC Method	>4.0	<1.0	1.1	<1.0
Water	%	ASTM D6304*	>0.1	▲ 0.239	---	0.041
ppm Water	ppm	ASTM D6304*	>1000	▲ 2399.7	---	410.2
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	3.5	4.0	3.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.4	23.1	19.1
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	VLITE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	▲ .5%	NEG	.2%
Sodium	ppm	ASTM D5185(m)		4	2	3
Boron	ppm	ASTM D5185(m)		59	72	70
Barium	ppm	ASTM D5185(m)		<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)		<1	<1	<1
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)		3	3	3
Calcium	ppm	ASTM D5185(m)		95	95	92
Phosphorus	ppm	ASTM D5185(m)		280	262	251
Zinc	ppm	ASTM D5185(m)		160	132	119
Sulfur	ppm	ASTM D5185(m)		746	781	799
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.4	13.0	13.0
Base Number (BN)	mg KOH/g	ASTM D2896*		1.36	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		26.5	26.9	27.1
Visc @ 100°C	cSt	ASTM D7279(m)		5.1	5.1	5.2
Viscosity Index (VI)	Scale	ASTM D2270*		122	119	124



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0760632 **Received** : 04 Jul 2023
Lab Number : 02567824 **Tested** : 06 Jul 2023
Unique Number : 5604870 **Diagnosed** : 06 Jul 2023 - Kevin Marson
Test Package : MOB 2 (Additional Tests: KF, KV40, 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.