



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR L586 L-7 (S/N 033013)
Component
Transmission (Auto)
Fluid
STP SYN ATF (3 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LP0001234	WC0570440	WC0524293
Sample Date		Client Info		16 Feb 2024	29 Nov 2021	30 Apr 2021
Machine Age	hrs	Client Info		14250	0	11442
Oil Age	hrs	Client Info		950	903	0
Filter Age	hrs	Client Info		950	903	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	47	104	65
Chromium	ppm	ASTM D5185m	>5	<1	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>5	0	0	<1
Aluminum	ppm	ASTM D5185m	>50	10	10	2
Lead	ppm	ASTM D5185m	>50	0	0	1
Copper	ppm	ASTM D5185m	>225	0	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

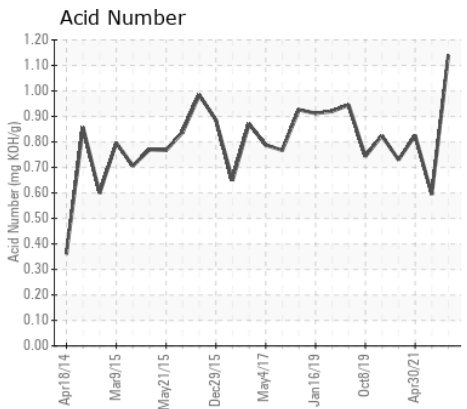
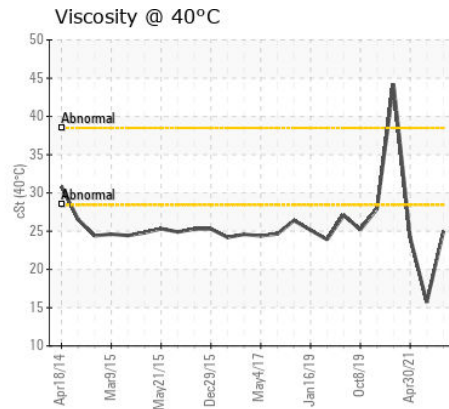
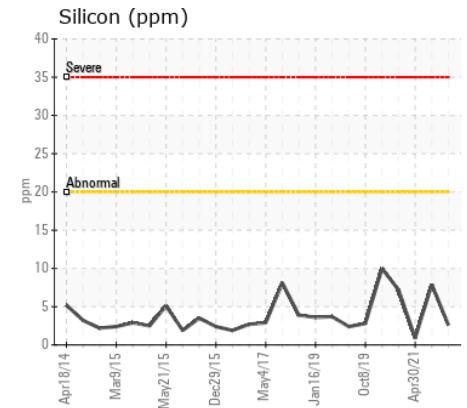
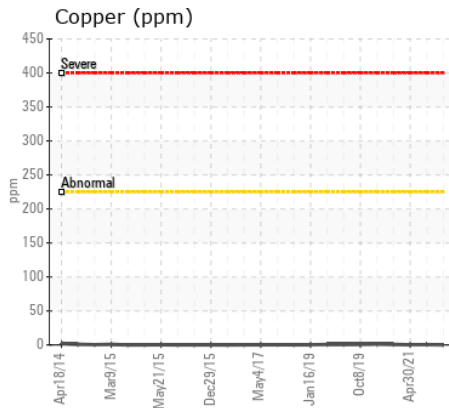
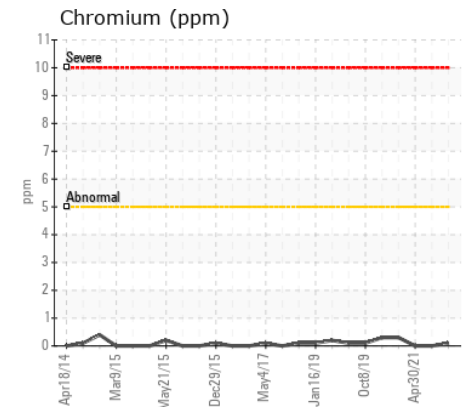
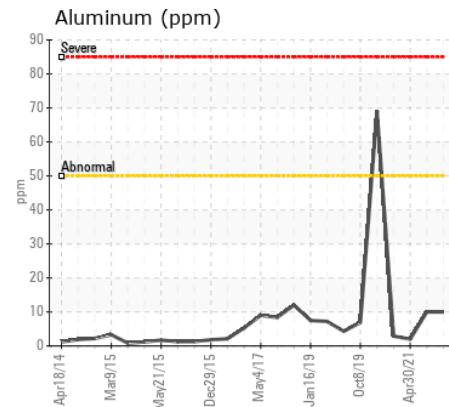
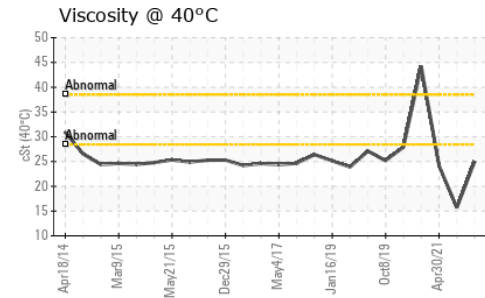
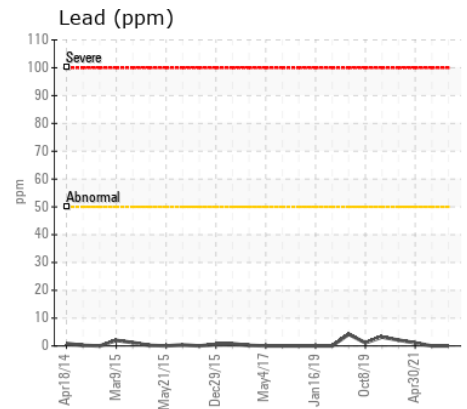
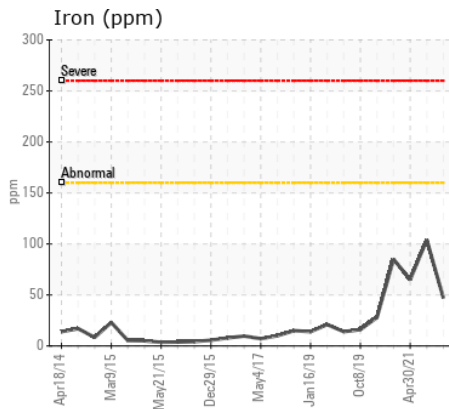
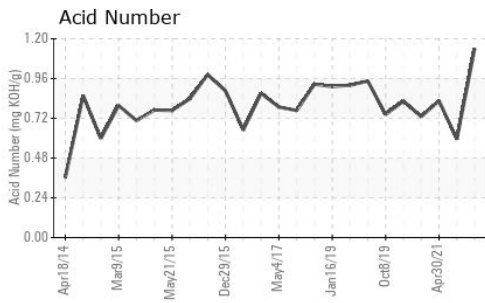
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	3	8	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		0	6	6
Boron	ppm	ASTM D5185m		108	79	101
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		3	10	2
Calcium	ppm	ASTM D5185m		109	76	68
Phosphorus	ppm	ASTM D5185m		267	179	204
Zinc	ppm	ASTM D5185m		2	14	0
Sulfur	ppm	ASTM D5185m		1079	595	873
Acid Number (AN)	mg KOH/g	ASTM D8045		1.14	0.594	0.826
Visc @ 40°C	cSt	ASTM D445		25.0	▲ 15.7	24.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : LP0001234

Lab Number : 06101098

Unique Number : 10899328

Test Package : MOB 2

Received : 26 Feb 2024

Tested : 27 Feb 2024

Diagnosed : 27 Feb 2024 - Doug Bogart

S.M. LORUSSO & SONS

10 GROVE ST

WEST ROXBURY, MA

US 02132

Contact: MARK ERWIN

merwin@smlorusso.com

T:

F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)