WEAR CONTAMINATION FLUID CONDITION

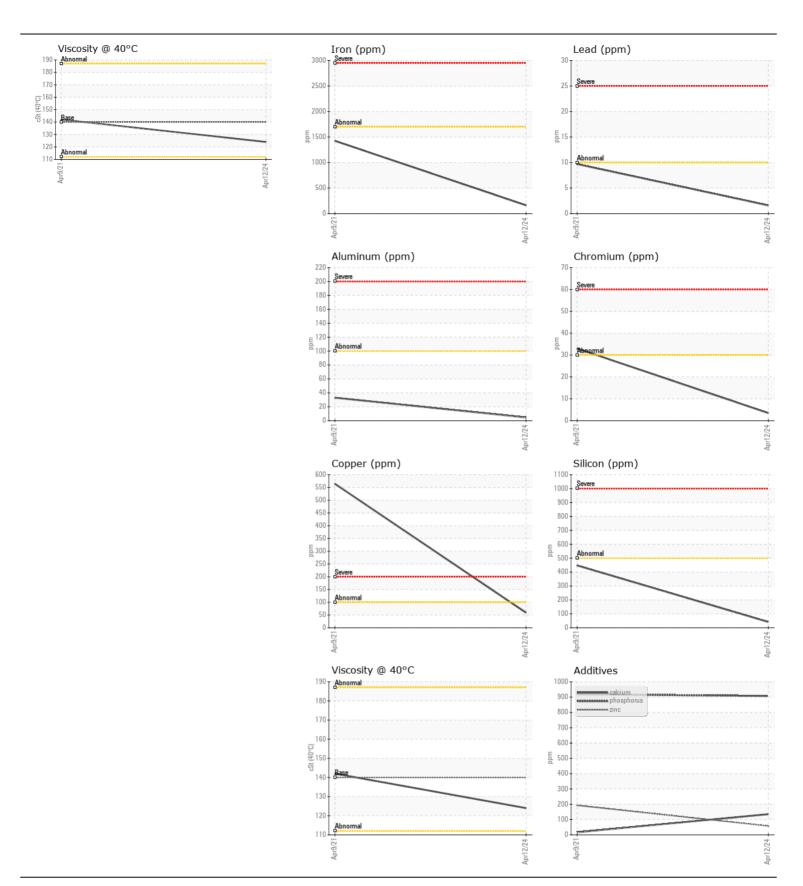
NORMAL NORMAL



Machine Id LIEBHERR R934 025778-918 Component

Left Final Drive

RECOMMENDATION	Tost	LIONA	Mathad	Limit/Alec-	(C	Llintamid	l liete ::: ·
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		LH0204144	LH0190480	
	Sample Date	hvo	Client Info		12 Apr 2024 4594	09 Apr 2021	
	Machine Age Oil Age	hrs	Client Info			3853	
		hrs	Client Info		0	0	
	Filter Age Oil Changed	hrs	Client Info		Not Changd	Changed	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status		Chefft iiilo		NORMAL	SEVERE	
	Sample Status				NORMAL	JEVENE	
WEAR	Iron	ppm	ASTM D5185m	>1700	161	1425	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>30	4	33	
	Nickel	ppm	ASTM D5185m	>8	<1	6	
	Titanium	ppm	ASTM D5185m	>10	<1	3	
	Silver	ppm	ASTM D5185m		<1	0	
	Aluminum	ppm	ASTM D5185m	>100	5	33	
	Lead	ppm	ASTM D5185m	>10	2	10	
	Copper	ppm	ASTM D5185m	>100	59	▲ 564	
	Tin	ppm	ASTM D5185m	>8	3	4 1	
	Vanadium	ppm	ASTM D5185m		<1	<1	
	White Metal	scalar	*Visual	NONE	NONE	LIGHT	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon		ACTM DE10Em	. 500	40	440	
	Potassium	ppm	ASTM D5185m ASTM D5185m	>500	42 4	448 26	
There is no indication of any contamination in the oil.	Water	ppm	WC Method	>0.2	NEG	NEG	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water		*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	14	
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	150	57	62	
	Barium	ppm	ASTM D5185m		0	2	
	Molybdenum	ppm	ASTM D5185m		2	0	
	Manganese	ppm	ASTM D5185m		2	16	
	Magnesium	ppm	ASTM D5185m	10	19	3	
	Calcium	ppm	ASTM D5185m		135	17	
	Phosphorus	ppm	ASTM D5185m	2000	907	919	
	Zinc	ppm	ASTM D5185m	50	58	193	
	Sulfur	ppm	ASTM D5185m	20000	22586	19504	
	Visc @ 40°C	cSt	ASTM D445	1.40	124	142	







Certificate L2367

Laboratory Sample No.

: LH0204144 Lab Number : 06153845 Unique Number: 10989268 Test Package : MOBCE

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Apr 2024 **Tested** : 23 Apr 2024

: 23 Apr 2024 - Wes Davis Diagnosed

AMERICAN STATE EQUIPMENT CO. 2400 NORTH 14TH AVENUE

WAUSAU, WI US 54401

Contact: CHRIS BARTNIK cbartnik@amstate.com

T: (715)675-6900 F: (715)675-9748

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)