

WEAR CONTAMINATION FLUID CONDITION

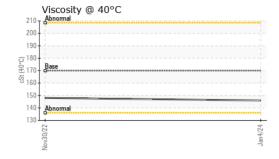
NORMAL NORMAL

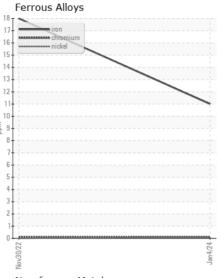


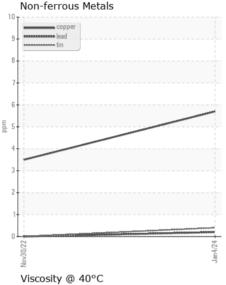
LIEBHERR LH60M 119208-1217

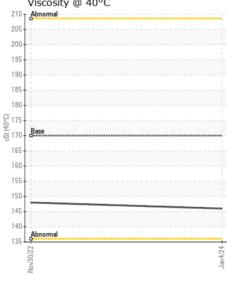
Front Differential

LIEBHERR GEAR BASIC 90 LS	(GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		LH0267395	LH0200268	
	Sample Date		Client Info		04 Jan 2024	30 Nov 2022	
	Machine Age	hrs	Client Info		4478	1763	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		N/A	Not Changd	
	Filter Changed		Client Info		N/A	Not Changd	
	Sample Status				NORMAL	ABNORMAL	
WEAR	Iron	ppm	ASTM D5185m	>150	11	18	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>5	<1	<1	
	Nickel	ppm	ASTM D5185m	>10	<1	0	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>5	2	<1	
	Lead	ppm	ASTM D5185m	>5	<1	0	
	Copper	ppm	ASTM D5185m	>125	6	4	
	Tin	ppm	ASTM D5185m	>5	<1	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	MODER	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	<1	1	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	<1	0	
There is no indication of any contamination in the oil.	Water		WC Method	>0.2	NEG	NEG	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	▲ MODER	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	1	
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	0	194	186	
'	Barium	ppm	ASTM D5185m	0	19	29	
	Molybdenum	ppm	ASTM D5185m	0	<1	0	
	Manganese	ppm	ASTM D5185m	0	<1	<1	
	Magnesium	ppm	ASTM D5185m	<1	<1	0	
	Calcium	ppm	ASTM D5185m	<1	8	4	
	Phosphorus	ppm	ASTM D5185m	2143	1068	1143	
	Zinc	ppm	ASTM D5185m		6	4	
	Sulfur	ppm	ASTM D5185m		28803	31123	
	Visc @ 40°C	cSt	ASTM D445	170	146	148	
Depart of TTENEW BM (COAD) 0005/004 (Converted) 01/10/0004 11/50/57) Down							











Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10820333

: LH0267395 : 06054384 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 08 Jan 2024 : 10 Jan 2024 Diagnosed

Diagnostician : Jonathan Hester

US 27529 Contact: MICHAEL STANCIL culaterprowler@aol.com T: (919)524-4326

1529 WEST GARNER RD

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) TT & E IRON

GARNER, NC