

Machine Id LIEBHERR LH40M 1215-124371 Component

Front Left Wheel Hub

GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION	

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

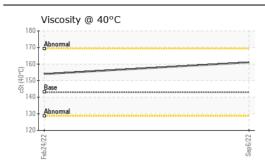
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

Confirm oil type. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0236267	LH0213419	
Sample Date		Client Info		06 Sep 2022	24 Feb 2022	
Machine Age	hrs	Client Info		1949	1033	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		Not Changd	None	
Sample Status				NORMAL	NORMAL	
			050		04	
Iron	ppm	ASTM D5185m	>650	55	81	
Chromium	ppm	ASTM D5185m	>4	<1	<1	
Nickel	ppm	ASTM D5185m	>4	<1 0	0	
Titanium	ppm	ASTM D5185m	>4		<1	
Silver	ppm	ASTM D5185m	. 05	<1	0	
Aluminum	ppm	ASTM D5185m	>25	3	2	
Lead	ppm	ASTM D5185m	>4	<1 50	<1	
Copper	ppm	ASTM D5185m	>60	53	45	
Tin	ppm	ASTM D5185m	>4	<1	0	
Vanadium	ppm	ASTM D5185m	NONE	0	0	
White Metal	scalar	*Visual	NONE	MODER	LIGHT	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>75	8	14	
Potassium	ppm	ASTM D5185m	>20	0	3	
Water		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	scalar	*Visual	>0.2	NEG	NEG	
0			470		40	
Sodium	ppm	ASTM D5185m	>170	11	10	
Boron	ppm	ASTM D5185m	400	5	6	
Barium	ppm	ASTM D5185m	200	1	0	
Molybdenum	ppm	ASTM D5185m	12	1	2	
Manganese	ppm	ASTM D5185m	10	3	4	
Magnesium	ppm	ASTM D5185m	12	1	2	
Calcium	ppm	ASTM D5185m	150	168	288	
Phosphorus	ppm	ASTM D5185m	1650	2185	2327	
Zinc	ppm	ASTM D5185m	125	82	108	
Sulfur	ppm	ASTM D5185m	22500	25056	26921	
Visc @ 40°C	cSt	ASTM D445	143	161	154	





SADOFF IRON AND METAL Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : LH0236267 Received : 13 Sep 2022 240 ARNDT STREET Lab Number : 05640527 Tested FOND DU LAC, WI : 14 Sep 2022 Unique Number : 10130057 Diagnosed : 15 Sep 2022 - Angela Borella US 54936 Test Package : CONST Contact: DAVE CASPER Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. casperd@sadoff.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Т: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Submitted By: ? Page 2 of 2