

Machine Id LIEBHERR LH40M MH-12 (S/N 142301)

Center Distribution Gear

LIEBHERR GEAR BASIC 90 LS (4 LTR)

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

All component wear rates are normal.

RECOMMENDATION

CONTAMINATION

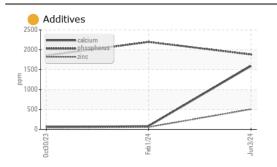
There is no indication of any contamination in the oil.

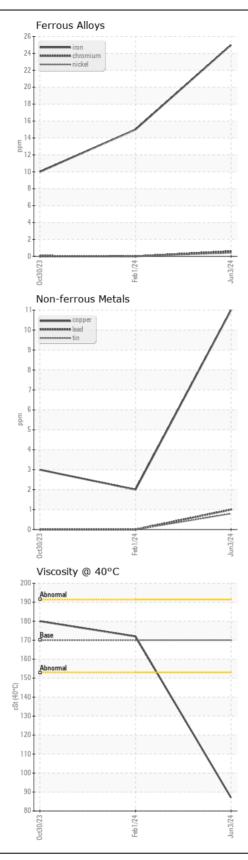
FLUID CONDITION

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

(4 L I R)						
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0268351	LH0272200	LH0258591
Sample Date		Client Info		03 Jun 2024	01 Feb 2024	30 Oct 2023
Machine Age	hrs	Client Info		5820	2954	2954
Oil Age	hrs	Client Info		2866	2954	1000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	NORMAL
Iron		ASTM D5185m	>300	25	15	10
Chromium	ppm	ASTM D5185m	>3	<1	0	0
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m	>10		0	0
Silver	ppm ppm	ASTM D5185m		<1 <1	0	0
Aluminum		ASTM D5185m	>5	3	0	0
Lead	ppm	ASTM D5185m	>60	3 1	0	0
Copper	ppm ppm	ASTM D5185m	>35	11	2	3
Tin	ppm	ASTM D5185m	>5	<1	0	0
Vanadium	ppm	ASTM D5185m	>5	<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Scala	VISUAI			NONE	NONE
Silicon	ppm	ASTM D5185m	>25	8	<1	<1
Potassium	ppm	ASTM D5185m	>20	8	0	2
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		0	2	2
Boron	ppm	ASTM D5185m	0	93	0	0
Barium	ppm	ASTM D5185m	0	1	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m	0	1	<1	1
Magnesium	ppm	ASTM D5185m	<1	11	2	2
Calcium	ppm	ASTM D5185m	<1	e 1591	82	60
Phosphorus	ppm	ASTM D5185m	2143	1882	2197	1853
Zinc	ppm	ASTM D5185m	<1	5 06	55	40
Sulfur	ppm	ASTM D5185m	23468	20195	26791	28325

Submitted By: MIKE MACKINNON





: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Jun 2024 Tested : 25 Jun 2024 Diagnosed : 25 Jun 2024 - Sean Felton

JR VINAGRO 2208 PLAINFIELD PIKE JOHNSTON, RI US 02919 Contact: Service Manager



Unique Number : 11090304 Test Package : CONST Certificate L2367 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)

F:

T:

Laboratory

Sample No.

Lab Number : 06217440

: LH0268351

Submitted By: MIKE MACKINNON Page 2 of 2