

## Machine Id LIEBHERR LH80M 1218-157090 Component Splitter Box

Splitter Box SAE 30W ( GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		LH0282885	LH0282896	
	Sample Date		Client Info		19 Apr 2024	19 Mar 2024	
	Machine Age	hrs	Client Info		997	545	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Not Changd	
	Filter Changed		Client Info		N/A	Not Changd	
	Sample Status				ATTENTION	ATTENTION	
WEAR	Iron	ppm	ASTM D5185m	>100	18	11	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>5	<1	0	
	Nickel	ppm	ASTM D5185m	>5	<1	0	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m		<1	0	
	Aluminum	ppm	ASTM D5185m		3	<1	
	Lead	ppm	ASTM D5185m		<1	0	
	Copper	ppm	ASTM D5185m	>20	2	1	
	Tin	ppm	ASTM D5185m	>10	<1	2	
	Vanadium	ppm	ASTM D5185m		<1	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m		5	<1	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		4	1	
	Water		WC Method		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	>0.1	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>25	1	4	
The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.	Boron	ppm	ASTM D5185m		<u>2</u>	0	
	Barium	ppm	ASTM D5185m		1	0	
	Molybdenum	ppm	ASTM D5185m		<1	0	
	Manganese	ppm	ASTM D5185m		2	1	
	Magnesium	ppm	ASTM D5185m		<b>3</b>	0	
	Calcium	ppm	ASTM D5185m		<b>32</b>	_ 25	
	Phosphorus	ppm	ASTM D5185m		<u> </u>	<b>1690</b>	

Zinc

Sulfur

**29** 

27635

ASTM D5185m

ASTM D5185m

ppm

ppm

**1**6

30439





Certificate L2367

Laboratory Sample No.

: LH0282885 Lab Number : 06217444 Unique Number : 11090308 Test Package : MOBCE

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

: 25 Jun 2024 : 25 Jun 2024 - Sean Felton

US 35601 Contact: RICKY JOHNSON ricky\_johnson@kindermorgan.com

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.

F: (256)355-5250 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

KINDER MORGAN

4301 IVERSON

TRINITY, AL