

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id LIEBHERR LH50M 147036 Component Power Take Off

Fluid SYNGEAR (--- GAL)

DIAGNOSIS Recommendation

The oil change at the time of sampling has been noted. 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.

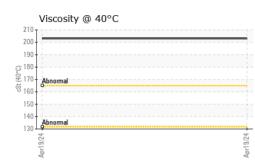
Fluid Condition

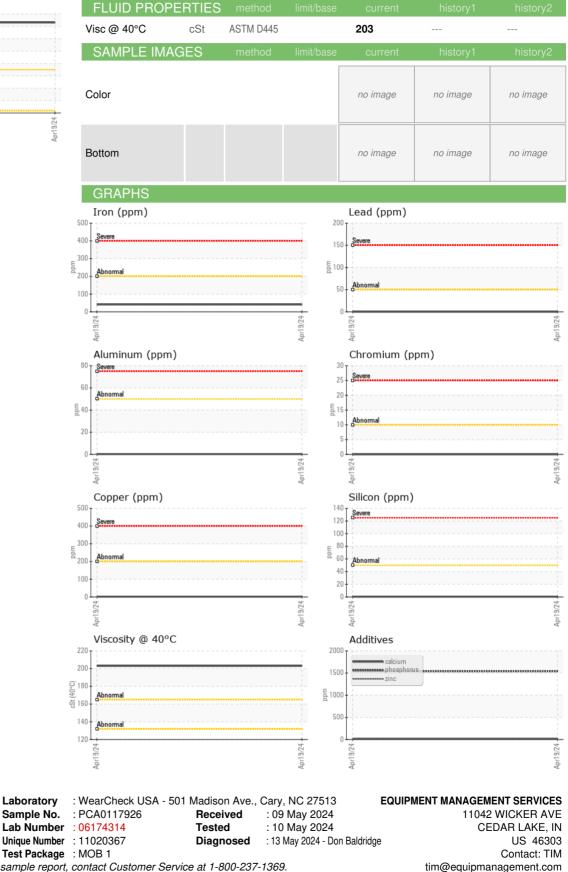
The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0117926		
Sample Date		Client Info		19 Apr 2024		
Machine Age	hrs	Client Info		1080		
Oil Age	hrs	Client Info		1080		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
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CONTAMINATIO	UN	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS	3	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	41		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>50	<1		
Lead	ppm	ASTM D5185m	>50	0		
Copper	ppm	ASTM D5185m	>200	1		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		4		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		9		
Phosphorus	ppm	ASTM D5185m		1541		
Zinc	ppm	ASTM D5185m		24		
Sulfur	ppm	ASTM D5185m		27965		
CONTAMINANT	ΓS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	2		
VISUAL		method	limit/base	current	history1	history2
			11111/0430	current	TIIStOLAT	-
	scalar	*Visual	NONE	NONE		
	scalar scalar					
Yellow Metal		*Visual	NONE	NONE		
Yellow Metal Precipitate Silt	scalar	*Visual *Visual	NONE NONE	NONE NONE		
Yellow Metal Precipitate Silt	scalar scalar	*Visual *Visual *Visual	NONE NONE NONE	NONE NONE NONE		
Yellow Metal Precipitate Silt Debris	scalar scalar scalar	*Visual *Visual *Visual *Visual	NONE NONE NONE NONE	NONE NONE NONE NONE		
White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NONE	NONE NONE NONE NONE NONE		
Yellow Metal Precipitate Silt Debris Sand/Dirt	scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NONE NONE	NONE NONE NONE NONE NONE NONE	 	
Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NONE NONE NORE	NONE NONE NONE NONE NONE NORE	 	



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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)

Certificate 12367

Laboratory

Contact/Location: TIM ? - EQUCED Page 2 of 2

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