

## NORMAL WEAR CONTAMINATION **ATTENTION FLUID CONDITION** NORMAL



LIEBHERR LH50M 129938-1216

Component Hydraulic System

PETRO CANADA T32 (--- GAL)

RE	COI	имем	<b>NDAT</b>	ION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

WEAR
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All component wear rates are normal.

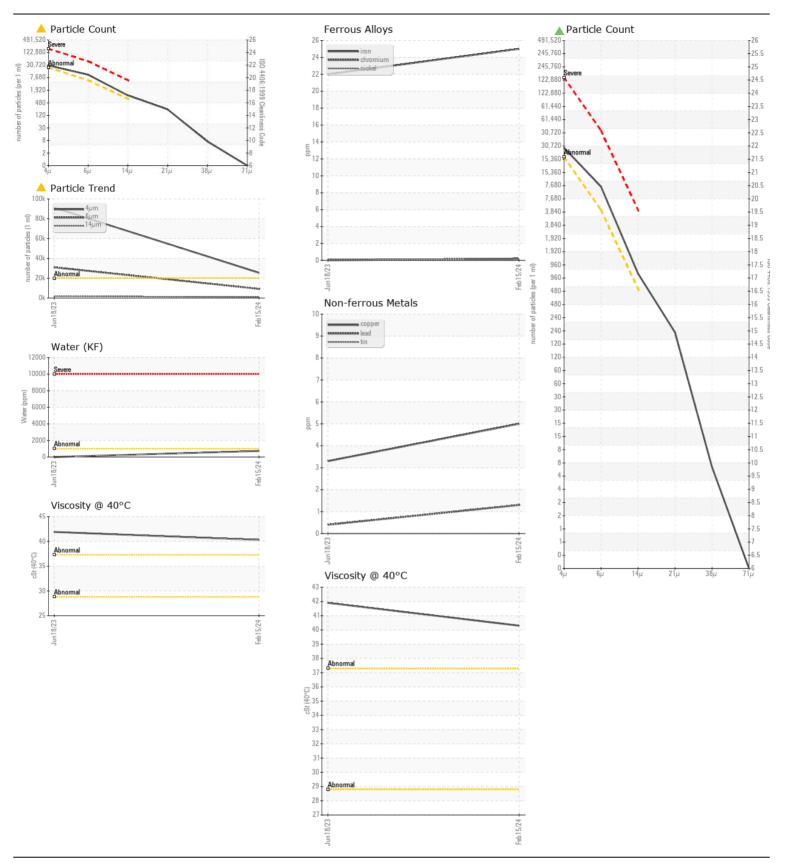
## CONTAMINATION

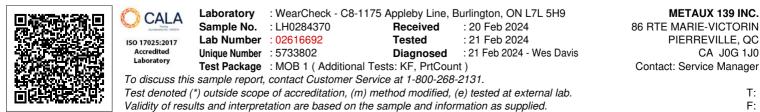
There is a light amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.



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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0284370	LH	
Sample Date		Client Info		15 Feb 2024	18 Jun 2023	
Machine Age	hrs	Client Info		3030	2442	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	N/A	
Filter Changed		Client Info		N/A	Changed	
Sample Status				ATTENTION	ABNORMAL	
Iron	ppm	ASTM D5185(m)	>50	25	22	
Chromium	ppm	ASTM D5185(m)	>5	<1	0	
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	
Titanium	ppm	ASTM D5185(m)		0	<1	
Silver	ppm	ASTM D5185(m)		0	0	
Aluminum	ppm	ASTM D5185(m)	>2	1	1	
Lead	ppm	ASTM D5185(m)	>4	1	<1	
Copper	ppm	ASTM D5185(m)	>10	5	3	
Tin	ppm	ASTM D5185(m)	>2	0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
White Metal	scalar	Visual*	NONE	NONE	🔺 LIGHT	
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185(m)	>17	2	4	
Potassium	ppm	ASTM D5185(m)	>20	1	1	
Water	%	ASTM D6304*	>0.1	0.072		
ppm Water	ppm	ASTM D6304*	>1000	729		
Particles >4µm		ASTM D7647	>20000	<b>25420</b>	A 91182	
Particles >6µm		ASTM D7647	>5000	<b>9202</b>	▲ 30980	
Particles >14µm		ASTM D7647	>640	<b>948</b>	<b>1</b> 877	
Particles >21µm		ASTM D7647		203	<u> </u>	
Particles >38µm		ASTM D7647	>40	6	37	
Particles >71µm		ASTM D7647	>10	0	2	
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>22/20/17</b>	▲ 24/22/18	
Silt	scalar	Visual*	NONE	NONE	NONE	
Debris	scalar	Visual*	NONE	NONE	NONE	
Sand/Dirt	scalar	Visual*	NONE	NONE	▲ LIGHT	
Appearance	scalar	Visual*	NORML	NORML	NORML	
Odor	scalar	Visual*	NORML	NORML	NORML	
Emulsified Water	scalar	Visual*	>0.1	.5%	NEG	
Sodium				0	2	
Sodium Boron	ppm	ASTM D5185(m) ASTM D5185(m)		2 <1	2	
	ppm	· · · ·				
Barium Molybdenum	ppm	ASTM D5185(m)		0	0 <1	
	ppm	ASTM D5185(m)		0		
Manganese Magnesium	ppm	ASTM D5185(m)		6	<1 6	
0	ppm	ASTM D5185(m)		-		
Calcium	ppm	ASTM D5185(m)		1642	1676	
Phosphorus	ppm	ASTM D5185(m)		680	717	
Zinc	ppm	ASTM D5185(m)		747	755	
Sulfur	ppm	ASTM D5185(m)		3853	3700	
Visc @ 40°C	cSt	ASTM D7279(m)		40.3	41.9	





PIERREVILLE, QC CA JOG 1J0 Contact: Service Manager

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