WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

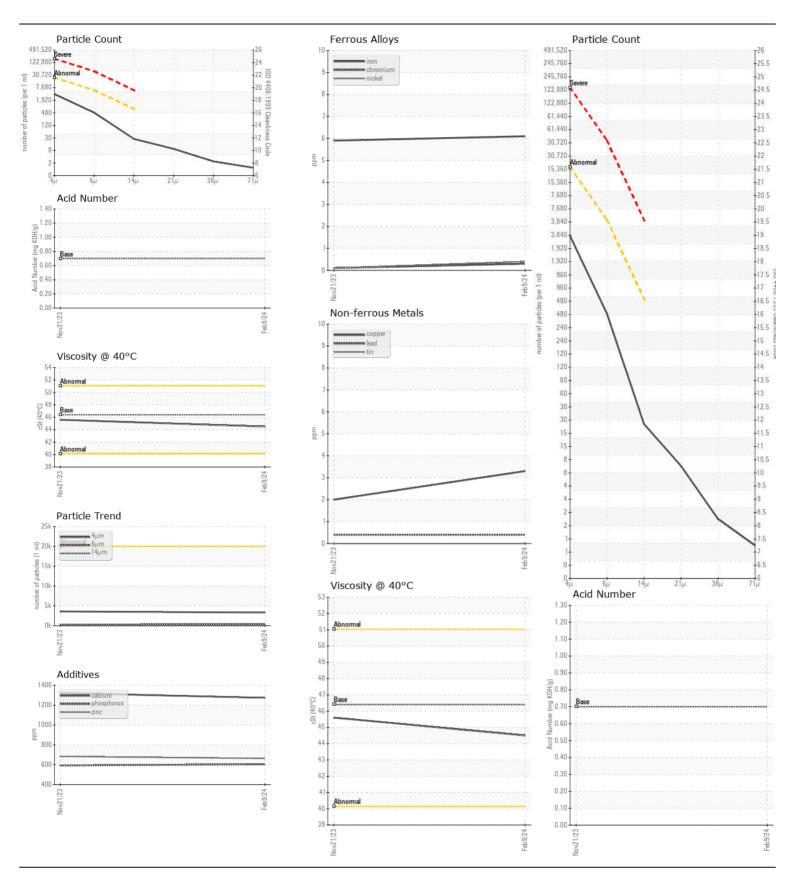


## **LIEBHERR LH50M 150728-1216**

Component Hydraulic System

PETRO CANADA HYDREX AW 46 (--- GAL)

PETRO CANADA HYDREX AW	46 ( GAL)	) 					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
RECOMMENDATION	Sample Number	OOW	Client Info	LIIIIUADII	LH0271866		
Confirm the source of the lubricant being utilized for top-up/fill.	Sample Date		Client Info		09 Feb 2024	21 Nov 2023	
Resample at the next service interval to monitor.	Machine Age	hrs	Client Info		1066	500	
	Oil Age	hrs	Client Info		0	500	
	Filter Age	hrs	Client Info		0	500	
	Oil Changed	1110	Client Info		Not Change		
	Filter Changed		Client Info		Changed	Changed	
	Sample Status		Onoric iiiio		NORMAL	NORMAL	
WEAR  All component wear rates are normal.	Iron	ppm	ASTM D5185(m)	>50	6	6	
	Chromium	ppm	ASTM D5185(m)	>5	<1	<1	
	Nickel	ppm	ASTM D5185(m)	>2	<1	<1	
	Titanium	ppm	ASTM D5185(m)		0	0	
	Silver	ppm	ASTM D5185(m)		0	<1	
	Aluminum	ppm	ASTM D5185(m)	>2	<1	<1	
	Lead	ppm	ASTM D5185(m)	>4	<1	<1	
	Copper	ppm	ASTM D5185(m)	>10	3	2	
	Tin	ppm	ASTM D5185(m)	>2	0	0	
	Vanadium	ppm	ASTM D5185(m)		0	0	
	White Metal	scalar	Visual*	NONE	NONE	NONE	
	Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
CONTANUNATION	0.1.		AOTH DE (OF ( )	4-			
CONTAMINATION	Silicon	ppm	ASTM D5185(m)		3	3	
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.	Potassium	ppm	ASTM D5185(m)		1	<1	
	Water		WC Method		NEG	NEG	
	Particles >4µm		ASTM D7647		3303	3604	
	Particles >6µm		ASTM D7647		430	207	
	Particles >14µm		ASTM D7647		24	7	
	Particles >21µm		ASTM D7647	>160	8	2	
	Particles >38µm Particles >71µm		ASTM D7647 ASTM D7647		2 1	0	
	Oil Cleanliness		ISO 4406 (c)		19/16/12	19/15/10	
	Silt	scalar	Visual*	NONE	NONE	NONE	
	Debris	scalar	Visual*	NONE	NONE	NONE	
	Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	
	Appearance		Visual*	NORML	NORML	NORML	
	Odor	scalar	Visual*	NORML	NORML	NORML	
	Emulsified Water			>0.1	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185(m)		1	2	
Addition because in the disease the condition of a different bound on two and all	Boron	ppm	ASTM D5185(m)	0	0	<1	
Additive levels indicate the addition of a different brand, or type of oil.  The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185(m)	0	0	<1	
	Molybdenum	ppm	ASTM D5185(m)	0	0	0	
Canadia for futural convice.	Manganese	ppm	ASTM D5185(m)		0	0	
	Magnesium	ppm	ASTM D5185(m)		5	4	
	Calcium	ppm	ASTM D5185(m)	50	1273	1322	
	Phosphorus	ppm	ASTM D5185(m)		605	592	
	Zinc	ppm	ASTM D5185(m)		663	684	
	Sulfur	ppm	ASTM D5185(m)		3656	3523	
	Acid Number (AN)	mg KOH/g	ASTM D974*		1.28	45.0	
	Visc @ 40°C	cSt	ASTM D7279(m)	46.4	44.5	45.6	





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : LH0271866 Lab Number : 02618100 Unique Number : 5735210

Received **Tested** Diagnosed Test Package : MOBCE

Validity of results and interpretation are based on the sample and information as supplied.

: 28 Feb 2024 : 28 Feb 2024 - Kevin Marson

: 26 Feb 2024

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

**ABC RECYCLING** 750C JACKSON RD NANAIMO, BC CA V9X 1J2 Contact: Jordie Richmond jordie.richmond@abcrecycling.com

T: (250)202-8235