WEAR CONTAMINATION **FLUID CONDITION**

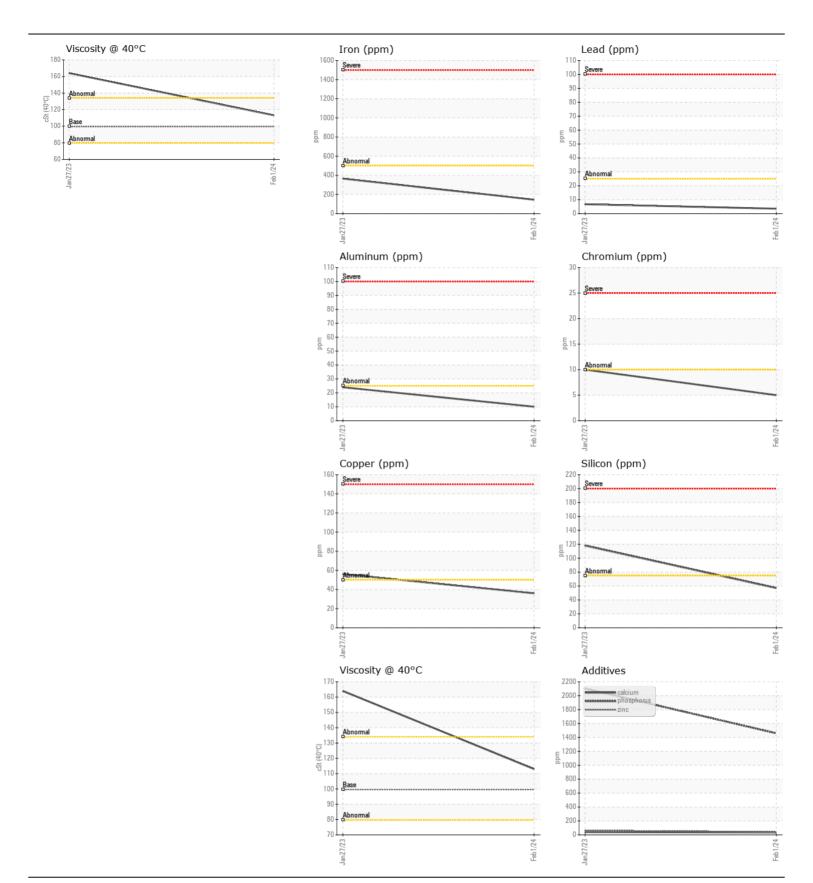
NORMAL NORMAL NORMAL



LIEBHERR R924C 028643-1069

Right Final Drive

Resample at the next service interval to monitor. Sample Date Client Info Sample Date Client Info Of Feb 2024 15740 1574	PETRO CANADA TRAXON 7	5W90 SYNTH	ETIC	(GAL	<u>)</u>			
Sample Date Cilent Info Feb 2024 72 Jan 2025 Cilent Info Feb 2024 72 Jan 2025 Cilent Info Cilent	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Date Client Info	Resample at the next service interval to monitor.	Sample Number		Client Info		LH0281210	LH0246920	
Oi Age hrs Client Info O O O O O O O O O		Sample Date		Client Info		01 Feb 2024	27 Jan 2023	
Filter Age		Machine Age	hrs	Client Info		18438	15740	
Di Changed Client Info Changed Client Info N/A		Oil Age	hrs	Client Info		0	0	
Filter Changed Sample Status		Filter Age	hrs	Client Info		0	0	
NORMAL N		Oil Changed		Client Info		Changed	Changed	
Iron		Filter Changed		Client Info		N/A	N/A	
Chromium ppm ASTM DS185m >10		Sample Status				NORMAL	NORMAL	
Nickel ppm ASTM DS185m >10 <1 2	WEAR	Iron	ppm	ASTM D5185(m)	>500	145	365	
Nickel ppm ASTMOSISS(m) >10 <1 2	All component wear rates are normal.	Chromium	ppm	ASTM D5185(m)	>10	5	10	
Silver		Nickel	ppm	ASTM D5185(m)	>10	<1	2	
Aluminum ppm ASTMD5(85)m >25 10 24		Titanium	ppm	ASTM D5185(m)		0	2	
Lead ppm ASTM D5185 m >25 4 7		Silver	ppm	ASTM D5185(m)		0	0	
Copper ppm ASTM D5185(m) >50 36 56		Aluminum	ppm	ASTM D5185(m)	>25	10	24	
Tin		Lead	ppm	ASTM D5185(m)	>25	4	7	
Vanadium ppm ASTM D5185 m 0 <1		Copper	ppm	ASTM D5185(m)	>50	36	56	
White Metal Scalar Visual* NONE LIGHT NONE		Tin	ppm	ASTM D5185(m)	>10	2	5	
Yellow Metal scalar Visual* NONE N		Vanadium	ppm	ASTM D5185(m)		0	<1	
Silicon ppm ASTM D5185(m) >75 57 118		White Metal	scalar	Visual*	NONE	LIGHT	NONE	
Potassium ppm ASTM D5185(m) >20 4 9		Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
Potassium ppm ASTM D5185(m) >20 4 9	CONTAMINATION	Silicon	maa	ASTM D5185(m)	>75	57	118	
Water WC Method >0.2 NEG NEG	There is no indication of any contamination in the oil.	Potassium		ASTM D5185(m)	>20	4	9	
Debris Scalar Visual* NONE NONE NONE Sand/Dirt Scalar Visual* NONE NORML N		Water		, ,		NEG	NEG	
Sand/Dirt scalar Visual* NONE NONE NONE NONE NORML N		Silt	scalar	Visual*	NONE	VLITE	VLITE	
Appearance Scalar Visual* NORML NORM		Debris	scalar	Visual*	NONE	NONE	NONE	
Odor		Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	
Emulsified Water scalar Visual* >0.2 NEG NEG		Appearance	scalar	Visual*	NORML	NORML	NORML	
Sodium ppm ASTM D5185(m) 7 19		Odor	scalar	Visual*	NORML	NORML	NORML	
Boron ppm ASTM D5185(m) 328 216 3		Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	
Boron ppm ASTM D5185(m) 328 216 3	FLUID CONDITION	Sodium	ppm	ASTM D5185(m)		7	19	
Barium ppm ASTM D5185(m) 1 <1	The condition of the oil is acceptable for the time in service.			ASTM D5185(m)	328	216	3	
Manganese ppm ASTM D5185(m) 2 7 Magnesium ppm ASTM D5185(m) 1 4 6 Calcium ppm ASTM D5185(m) 7 32 40 Phosphorus ppm ASTM D5185(m) 1145 1460 2103 Zinc ppm ASTM D5185(m) 3 42 64 Sulfur ppm ASTM D5185(m) 17909 23408 33690		Barium	ppm	ASTM D5185(m)	1	<1	0	
Magnesium ppm ASTM D5185(m) 1 4 6 Calcium ppm ASTM D5185(m) 7 32 40 Phosphorus ppm ASTM D5185(m) 1145 1460 2103 Zinc ppm ASTM D5185(m) 3 42 64 Sulfur ppm ASTM D5185(m) 17909 23408 33690		Molybdenum	ppm	ASTM D5185(m)		0	<1	
Calcium ppm ASTM D5185(m) 7 32 40 Phosphorus ppm ASTM D5185(m) 1145 1460 2103 Zinc ppm ASTM D5185(m) 3 42 64 Sulfur ppm ASTM D5185(m) 17909 23408 33690		Manganese	ppm	ASTM D5185(m)		2	7	
Phosphorus ppm ASTM D5185(m) 1145 1460 2103 Zinc ppm ASTM D5185(m) 3 42 64 Sulfur ppm ASTM D5185(m) 17909 23408 33690		Magnesium	ppm	ASTM D5185(m)	1	4	6	
Zinc ppm ASTM D5185(m) 3 42 64 Sulfur ppm ASTM D5185(m) 17909 23408 33690		Calcium	ppm	ASTM D5185(m)	7	32	40	
Sulfur ppm ASTM D5185(m) 17909 23408 33690		Phosphorus	ppm	ASTM D5185(m)	1145	1460	2103	
		Zinc	ppm	ASTM D5185(m)	3	42	64	
Visc @ 40°C cSt ASTM D7279(m) 99.6 113 164		Sulfur	ppm	ASTM D5185(m)	17909	23408	33690	
		Visc @ 40°C	cSt	ASTM D7279(m)	99.6	113	164	





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: LH0281210 Lab Number : 02616321 Unique Number : 5733431 Test Package : MOB 1

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 16 Feb 2024 **Tested** : 16 Feb 2024

Diagnosed : 16 Feb 2024 - Wes Davis

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

ABC RECYCLING 8081 MEADOW AVE. BURNABY, BC

CA V3N 2V9 Contact: John Anderson john.anderson@abcrecycling.com T: (778)988-9944