



LIEBHERR LH40M 120553-1215

Component Swing Drive

PETRO CANADA TRAXON SYNTHETIC 75W90 (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

CONTAMINATION

There is a moderate concentration of water present in the oil. Free water present.

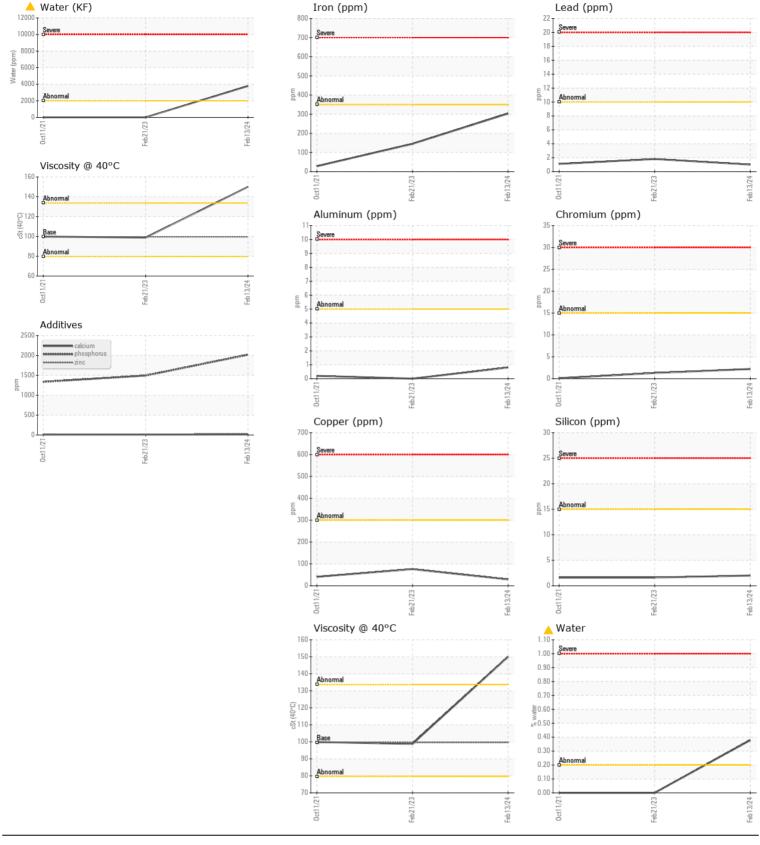
FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0193877	LH0193863	LH0193849
Sample Date		Client Info		13 Feb 2024	21 Feb 2023	11 Oct 2021
Machine Age	hrs	Client Info		4086	2835	1021
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed	1110	Client Info		Changed	Changed	Changed
Filter Changed		Client Info		None	None	None
Sample Status		0.0.0.0		ABNORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>350	303	145	28
Chromium	ppm	ASTM D5185(m)	>15	2	1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>5	<1	0	<1
Lead	ppm	ASTM D5185(m)	>10	1	2	1
Copper	ppm	ASTM D5185(m)	>300	29	76	41
Tin	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>15	2	2	2
Potassium	ppm	ASTM D5185(m)	>20	-	<1	<1
Water	%	ASTM D6304*	>0.2	. 0.378		
ppm Water	ppm	ASTM D6304*	>2000	▲ 3782		
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML		NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	. 5%	NEG	NEG
Sodium	ppm	ASTM D5185(m)		2	<1	<1
Boron	ppm	ASTM D5185(m)	328	30	293	280
Barium	ppm	ASTM D5185(m)	1	1	2	1
Molybdenum	ppm	ASTM D5185(m)		0	0	<1
Manganese	ppm	ASTM D5185(m)		2	1	<1
Magnesium	ppm	ASTM D5185(m)		2	1	1
Calcium	ppm	ASTM D5185(m)	7	14	10	10
Phosphorus	ppm	ASTM D5185(m)	1145	2019	1494	1336
		AOTH DEADE()	0	~~	12	7
Zinc	ppm	ASTM D5185(m)	3	33		
Zinc Sulfur Visc @ 40°C	ppm ppm cSt	ASTM D5185(m) ASTM D5185(m) ASTM D7279(m)	17909 99.6	33 24287 150	22386 98.8	20606 99.9

Report Id: GOOCHI [WCAMIS] 02616400 (Generated: 02/20/2024 09:36:19) Rev: 1

Submitted By: ?



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA Пř Sample No. Received : LH0193877 : 16 Feb 2024 Lab Number : 02616400 Tested : 20 Feb 2024 ISO 17025:2017 Accredited Laboratory Unique Number : 5733510 : 20 Feb 2024 - Kevin Marson Diagnosed Test Package : MOBCE (Additional Tests: KF, Visual) 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.

Goodies Trading Ltd. 8150 Aitken Road Chilliwack, BC CA V2R 4H5 Contact: Service Manager

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