WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL ABNORMAL



LIEBHERR L566 054116-1484

Component Transmission (Manual)

PETRO CANADA DURATRAN	(GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		LH0281152	LH0135632	
	Sample Date		Client Info		04 Jan 2024	14 Dec 2021	
	Machine Age	hrs	Client Info		9598	5482	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				ABNORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185(m)	>200	34	50	
All component wear rates are normal.	Chromium	ppm	ASTM D5185(m)	>5	0	<1	
	Nickel	ppm	ASTM D5185(m)		<1	<1	
	Titanium	ppm	ASTM D5185(m)		0	0	
	Silver	ppm	ASTM D5185(m)	>7	0	<1	
	Aluminum	ppm	ASTM D5185(m)	>25	2	1	
	Lead	ppm	ASTM D5185(m)	>45	<1	<1	
	Copper	ppm	ASTM D5185(m)	>225	1	3	
	Tin	ppm	ASTM D5185(m)	>10	0	0	
	Vanadium	ppm	ASTM D5185(m)		0	0	
	White Metal	scalar	Visual*	NONE	NONE	NONE	
	Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
CONTAMINATION There is no indication of any contamination in the fluid.	Silicon	ppm	ASTM D5185(m)	>125	8	8	
	Potassium	ppm	ASTM D5185(m)		1	3	
	Water	1-1-	WC Method	>0.1	NEG	NEG	
	Silt	scalar	Visual*	NONE	NONE	NONE	
	Debris	scalar	Visual*	NONE	NONE	NONE	
	Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	
	Appearance	scalar	Visual*	NORML	NORML	NORML	
	Odor	scalar	Visual*	NORML	NORML	NORML	
	Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185(m)		3	9	
The fluid viscosity is lower than typical, possibly indicating the addition of lighter grade fluid. The condition of the fluid is acceptable for the time in service.	Boron	ppm	ASTM D5185(m)	110	89	96	
	Barium	ppm	ASTM D5185(m)	0.0	0	0	
	Molybdenum	ppm	ASTM D5185(m)	0.0	0	<1	
	Manganese	ppm	ASTM D5185(m)	1	0	<1	
	Magnesium	ppm	ASTM D5185(m)	13	10	11	
	Calcium	ppm	ASTM D5185(m)	3610	3267	3248	
	Phosphorus	ppm	ASTM D5185(m)	1192	1108	1187	
	Zinc	ppm	ASTM D5185(m)	1455	1339	1366	
	Sulfur	ppm	ASTM D5185(m)	2641	2969	3468	
	Visc @ 40°C	cSt	ASTM D7279(m)	55.14	▲ 35.4	36.6	





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : 02607892

: LH0281152 Unique Number : 5708978

Recieved Diagnosed

: 10 Jan 2024 : 11 Jan 2024 Diagnostician : Kevin Marson

Test Package : MOB 1

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.

Abbycel Substrate Ltd.

3545 Ross Road Abbotsford, BC CA V4X 1M6

Contact: Service Manager

T: F: