

# **OIL ANALYSIS REPORT**

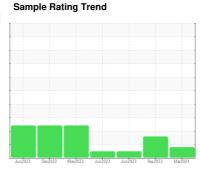


G.LOPES CONSTRUCTION INC./OFF-ROAD

L-96

Component **Hydraulic System** 

PETRO CANADA DURATRAN (--- GAL)





### **DIAGNOSIS**

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

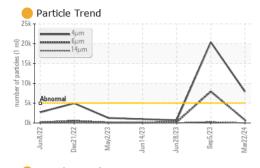
### **Fluid Condition**

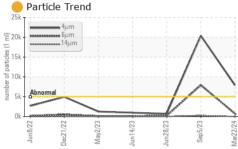
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

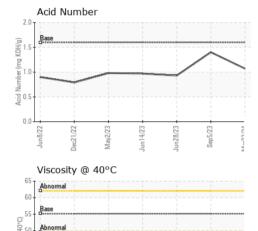
-	)	Jun2022	Dec2022 May2023	Jun2023 Jun2023 Sep2023	Mar2024	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0109940	PCA0104656	PCA0098312
Sample Date		Client Info		22 Mar 2024	05 Sep 2023	28 Jun 2023
Machine Age	hrs	Client Info		6491	5682	5682
Oil Age	hrs	Client Info		6491	5682	5682
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	NORMAL
CONTAMINAT	ION _	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	6	5	4
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	3	2	<1
Lead	ppm	ASTM D5185m	>10	1	0	0
Copper	ppm	ASTM D5185m		6	4	4
Tin	ppm	ASTM D5185m	>10	1	0	0
Vanadium	ppm	ASTM D5185m	- 10	<1	0	0
Cadmium		ASTM D5185m		<1	0	0
	ppm		Day to the			
ADDITIVES		method	limit/base		history1	history2
Boron	ppm	ASTM D5185m	110	16	13	11
Barium	ppm	ASTM D5185m		1	7	14
Molybdenum	ppm	ASTM D5185m	0.0	4	2	2
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	13	32	36	41
Calcium	ppm	ASTM D5185m	3610	1621	1416	1363
Phosphorus	ppm	ASTM D5185m	1192	845	769	752
Zinc	ppm	ASTM D5185m	1455	1070	972	957
Sulfur	ppm	ASTM D5185m	2641	2650	2663	2603
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	8	6	5
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	3	<1	<1
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	<b>7897</b>	△ 20382	725
Particles >6µm		ASTM D7647	>1300	737	<b>1</b> 7944	223
Particles >14µm		ASTM D7647	>160	23	<u>\$\times\$ 259</u>	16
Particles >21µm		ASTM D7647	>40	5	30	5
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	0 20/17/12	<u>22/20/15</u>	17/15/11
FLUID DEGRAD	OATION	method	limit/base	current	history1	history2
Acid Number (AN)		ASTM D8045		1.07	1.401	0.93



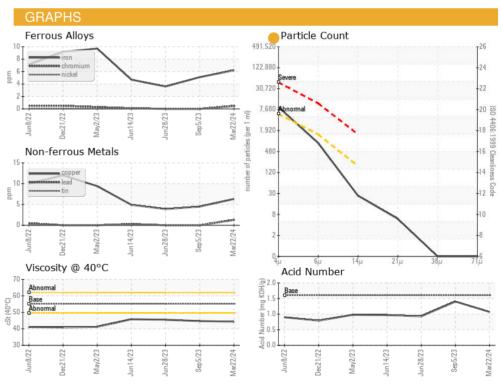
## **OIL ANALYSIS REPORT**













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Jec21/22



Certificate L2367

Laboratory Sample No.

Lab Number : 06129370 Unique Number: 10943521 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0109940

**Bottom** 

**Tested** 

Received : 26 Mar 2024 : 27 Mar 2024 Diagnosed

: 29 Mar 2024 - Don Baldridge

US 02780 Contact: BUTCH MCGRATH

bmcgrath@glopes.com

**G LOPES CONSTRUCTION** 

T:

565 WINTHROP ST

TAUNTON, MA

To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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