

# **OIL ANALYSIS REPORT**

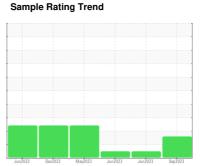


G.LOPES CONSTRUCTION INC./OFF-ROAD

L-96

Component **Hydraulic System** 

PETRO CANADA DURATRAN (--- GAL)





## **DIAGNOSIS**

### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

All component wear rates are normal.

## Contamination

There is a high amount of particulates present in the oil.

### **Fluid Condition**

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

AIRAN ( GAL	)	Jun2022	Dec2022 May2023	3 Jun2023 Jun2023	Sep 2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0104656	PCA0098312	PCA0098364
Sample Date		Client Info		05 Sep 2023	28 Jun 2023	14 Jun 2023
Machine Age	hrs	Client Info		5682	5682	5571
Oil Age	hrs	Client Info		5682	5682	5571
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	5	4	5
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	<1	2
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>75	4	4	5
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	110	13	11	13
Barium	ppm	ASTM D5185m	0.0	7	14	2
Molybdenum	ppm	ASTM D5185m	0.0	2	2	3
Manganese	ppm	ASTM D5185m	1	0	0	0
Magnesium	ppm	ASTM D5185m	13	36	41	30
Calcium	ppm	ASTM D5185m	3610	1416	1363	1451
Phosphorus	ppm	ASTM D5185m	1192	769	752	820
Zinc	ppm	ASTM D5185m	1455	972	957	1031
Sulfur	ppm	ASTM D5185m	2641	2663	2603	2819
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	6	5	6
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	<1	<1	3
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	<u>^</u> 20382	725	966
Particles >6µm		ASTM D7647	>1300	<u>^</u> 7944	223	103
Particles >14μm		ASTM D7647	>160	<u>^</u> 259	16	16
Particles >21µm		ASTM D7647	>40	30	5	4
Particles >38μm		ASTM D7647	>10	0	0	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>22/20/15</u>	17/15/11	17/14/11
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.6	1.401	0.93	0.97



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Certificate L2367

Laboratory Sample No.

Lab Number

**Unique Number** Test Package

: 05944534 : 10635146

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 07 Sep 2023 : PCA0104656 Received Diagnosed : 09 Sep 2023 : Don Baldridge Diagnostician

: MOB 2

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)

**G LOPES CONSTRUCTION** 

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