

## **OIL ANALYSIS REPORT**

G.LOPES CONSTRUCTION INC./Off-Road

Sample Rating Trend



## DIAGN

Component **Hydraulic System** 

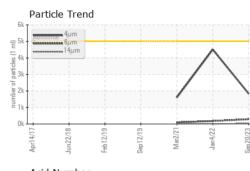
E28

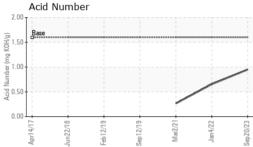
## PETRO CANADA DURATRAN (--- GAL)

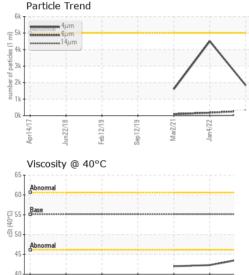
DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		PCA0104746	PCA0059485	PCA0041330
Resample at the next service interval to monitor.	Sample Date		Client Info		20 Sep 2023	04 Jan 2022	02 Mar 2021
Wear	Machine Age	hrs	Client Info		6809	5996	5318
All component wear rates are normal.	Oil Age	hrs	Client Info		5561	678	0
Contamination	Oil Changed		Client Info		N/A	N/A	Changed
There is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
oil. The amount and size of particulates present in the system are acceptable.	WEAR METAL	S	method	limit/base	current	history1	history2
Fluid Condition	Iron	ppm	ASTM D5185m	>20	13	17	17
The AN level is acceptable for this fluid. The	Chromium	ppm	ASTM D5185m	>10	0	<1	<1
condition of the oil is suitable for further service.	Nickel	ppm	ASTM D5185m	>10	0	0	0
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m		0	<1	<1
	Aluminum	ppm	ASTM D5185m	>10	1	1	0
	Lead	ppm	ASTM D5185m	>10	<1	2	2
	Copper	ppm	ASTM D5185m	>75	3	6	6
	Tin	ppm	ASTM D5185m		0	0	0
	Antimony	ppm	ASTM D5185m			0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		0	<1	<1
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	110	38	14	19
	Barium	ppm	ASTM D5185m		0	0	<1
	Molybdenum	ppm	ASTM D5185m		3	2	2
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		51	19	20
	Calcium	ppm	ASTM D5185m		1925	790	755
	Phosphorus	ppm	ASTM D5185m		894	682	754
	Zinc	ppm	ASTM D5185m		1187	950	971
	Sulfur	ppm	ASTM D5185m		3887	2765	2485
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>20	4	3	3
	Sodium	ppm	ASTM D5185m		4	4	1
	Potassium	ppm	ASTM D5185m	>20	2	0	<1
	FLUID CLEAN	LINESS	method	limit/base	current	history1	history2
	Particles >4µm		ASTM D7647	>5000	1837	4505	1601
	Particles >6µm		ASTM D7647	>1300	287	178	96
	Particles >14µm		ASTM D7647	>160	23	9	4
	Particles >21µm		ASTM D7647	>40	6	1	1
	Particles >38µm		ASTM D7647	>10	0	0	0
				. ?	0	0	0
	Particles >71µm		ASTM D7647	>0	v	0	0
	Particles >71µm Oil Cleanliness		ISO 4406 (c)		18/15/12	19/15/10	18/14/9
		DATION			18/15/12		



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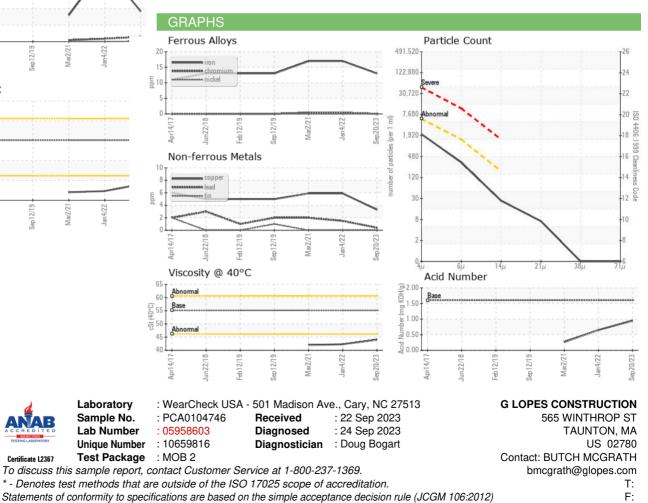
Sep12/19

Feb12/19

Apr14/17

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
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	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	55.14	44.0	42.3	42.0
SAMPLE IMAG	iES	method	limit/base	current	history1	history2
Color				Miton Di Constanti		

Bottom



Submitted By: MATT MANOLI

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