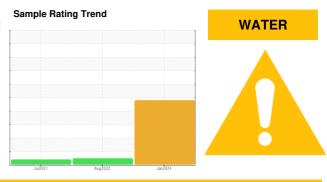


OIL ANALYSIS REPORT





G.LOPES CONSTRUCTION INC./Off-Road E-0323 Component

Hydraulic System

PETRO CANADA DURATRAN (--- GAL)

DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		PCA0109667	PCA0066752	WC0594603
Ne advise that you check all areas where dirt can	Sample Date		Client Info		16 Jan 2024	10 Aug 2022	01 Jul 2021
enter the system. We recommend you service the	Machine Age	hrs	Client Info		9307	8687	7813
ilters on this component. Resample at the next service interval to monitor.	Oil Age	hrs	Client Info		7813	874	0
	Oil Changed		Client Info		N/A	N/A	Changed
Wear All component wear rates are normal.	Sample Status				ABNORMAL	NORMAL	ATTENTION
Contamination	WEAR METAL	S	method	limit/base	current	history1	history2
There is a high amount of silt (particulates < 6 microns in size) present in the oil. Elemental levels of silicon (Si) and aluminum (AI) indicate alumina- silicate (coarse dirt) ingress. There is a light	Iron	ppm	ASTM D5185m	>20	18	21	13
	Chromium	ppm	ASTM D5185m	>10	5	3	1
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		<1	<1	<1
ncentration of water present in the oil.	Silver	ppm	ASTM D5185m		0	0	0
Fluid Condition The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Aluminum	ppm	ASTM D5185m	>10	▲ 8	6	0
	Lead	ppm	ASTM D5185m		0	0	<1
	Copper	ppm	ASTM D5185m		10	6	4
	Tin	ppm	ASTM D5185m		0	0	4
	Antimony		ASTM D5185m	~10			0
	Vanadium	ppm	ASTM D5185m				
		ppm			0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	110	47	52	39
	Barium	ppm	ASTM D5185m	0.0	0	2	0
	Molybdenum	ppm	ASTM D5185m	0.0	1	4	4
	Manganese	ppm	ASTM D5185m	1	1	<1	<1
	Magnesium	ppm	ASTM D5185m	13	38	33	32
	Calcium	ppm	ASTM D5185m	3610	1677	1585	1043
	Phosphorus	ppm	ASTM D5185m	1192	846	743	643
	Zinc	ppm	ASTM D5185m	1455	990	908	756
	Sulfur	ppm	ASTM D5185m	2641	2613	2669	2434
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>20	2 0	12	5
	Sodium	ppm	ASTM D5185m	220	2	5	1
	Potassium	ppm	ASTM D5185m	>20	0	0	<1
	Water	%	ASTM D6304		0.166	0	< 1
	ppm Water	ppm	ASTM D6304		▲ 1660		
	FLUID CLEAN	LINESS	method	limit/base	current	history1	history2
	Particles >4µm		ASTM D7647		▲ 31345	4592	▲ 9525
	Particles >6µm		ASTM D7647		485	393	415
	Particles >14µm		ASTM D7647		405 19	18	13
	Particles >21µm		ASTM D7647 ASTM D7647		3	6	3
	Particles >38µm		ASTM D7647 ASTM D7647		0	0	0
	Particles >30µm				0	0	0
			ASTM D7647				
	Oil Cleanliness		ISO 4406 (c)			19/16/11	▲ 20/16/11
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
			ASTM D8045		1.08		

Contamination

Fluid Condition

Report Id: GLOTAU [WUSCAR] 06065559 (Generated: 02/08/2024 07:	03:42) Rev: 1

Submitted By: MATT MANOLI



12000

10000

800 Water (ppm)

600

400

2000

351

30 1

25 of particles (1 20k

15k

6

50 4(Heine 30 20

10

30 25

20

E 15

3

25

20

u d 1

10

Abnormal

F

OIL ANALYSIS REPORT

limit/base

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

limit/base

>0.1

55.14

current

NONE

NONE

NONE

NONE

NONE

NONE

NORML

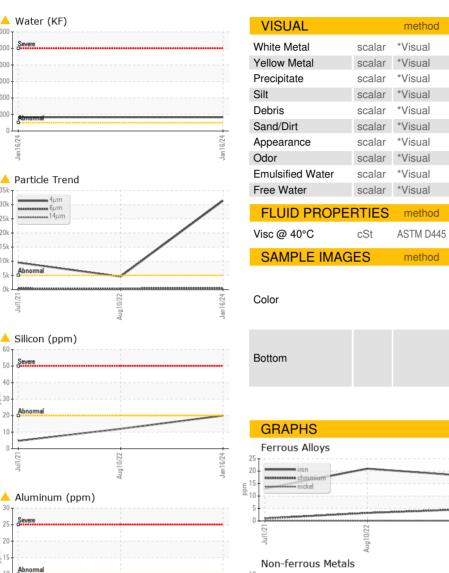
NORML

curren

0.2%

NEG

42.9





history1

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NFG

NEG

44.5

history

history2

NONE

NONE

NONE

NONE

NONE

NONE

NORML

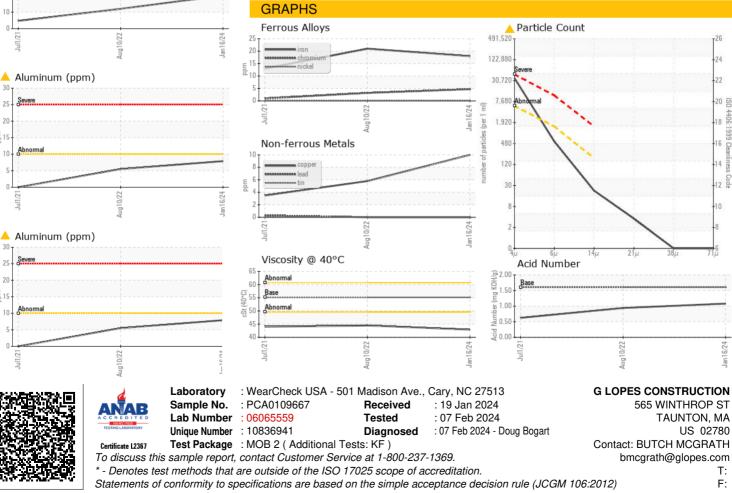
NORML

history2

NEG

NEG

44.0



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