

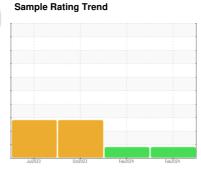
OIL ANALYSIS REPORT

G.LOPES CONSTRUCTION INC./OFF-ROAD

L-63

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

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

		Jul202:	3 Oct2023	Feb 2024 Fe	eb2024	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0109639	PCA0098334	PCA0098626
Sample Date		Client Info		15 Feb 2024	14 Feb 2024	18 Oct 2023
Machine Age	hrs	Client Info		1924	1924	1513
Oil Age	hrs	Client Info		1924	1924	1513
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	ATTENTION
CONTAMINAT	ΓΙΟΝ	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	4	4	4
Chromium	ppm	ASTM D5185m	>10	1	1	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	2	2
Lead	ppm	ASTM D5185m	>10	1	<1	<1
Copper	ppm	ASTM D5185m	>75	3	3	4
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
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	0	0	A 0
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.0	0	0	0
Manganese	ppm	ASTM D5185m	1	<1	<1	<1
Magnesium	ppm	ASTM D5185m	13	7	7	1
Calcium	ppm	ASTM D5185m	3610	200	201	1 214
Phosphorus	ppm	ASTM D5185m	1192	713	701	1 744
Zinc	ppm	ASTM D5185m	1455	895	894	930
Sulfur	ppm	ASTM D5185m	2641	1677	1677	▲ 1787
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	4	4	4
Sodium	ppm	ASTM D5185m		2	2	2
Potassium	ppm	ASTM D5185m	>20	3	3	<1
FLUID CLEAN	LINESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	6016	▲ 6078	▲ 8787
Particles >6µm		ASTM D7647	>1300	394	320	380
Particles >14µm		ASTM D7647	>160	22	12	12
Particles >21µm		ASTM D7647	>40	5	3	3
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/16/12	▲ 20/15/11	▲ 20/16/11
FLUID DEGRA	DATION	method	limit/base	current	history1	history2

Acid Number (AN)

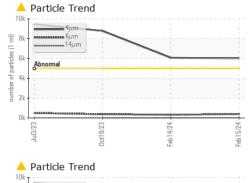
mg KOH/g ASTM D8045 1.6

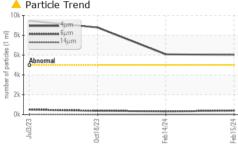
0.79

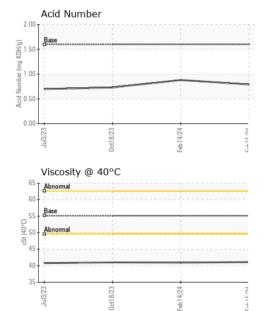
0.73



OIL ANALYSIS REPORT







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	LIGHT	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
	DTIES	mothod	limit/baca	current	history1	history?

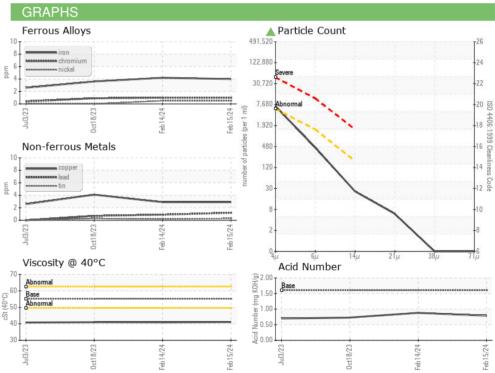
FLUID PROPI	EHILO	method			riistory i	riistory
Visc @ 40°C	cSt	ASTM D445	55.14	41.1	40.9	4 1.0

SAMPLE IMAGES

Color

Bottom









Certificate L2367

Laboratory Sample No.

Lab Number : 06092993 Unique Number: 10885846

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0109639

Test Package : MOB 2

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received **Tested**

: 20 Feb 2024 Diagnosed

: 21 Feb 2024 - Don Baldridge

: 19 Feb 2024

G LOPES CONSTRUCTION 565 WINTHROP ST TAUNTON, MA

US 02780 Contact: BUTCH MCGRATH

bmcgrath@glopes.com

T:

* - 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)

F: