WEAR CONTAMINATION FLUID CONDITION

NORMAL
ATTENTION
NORMAL

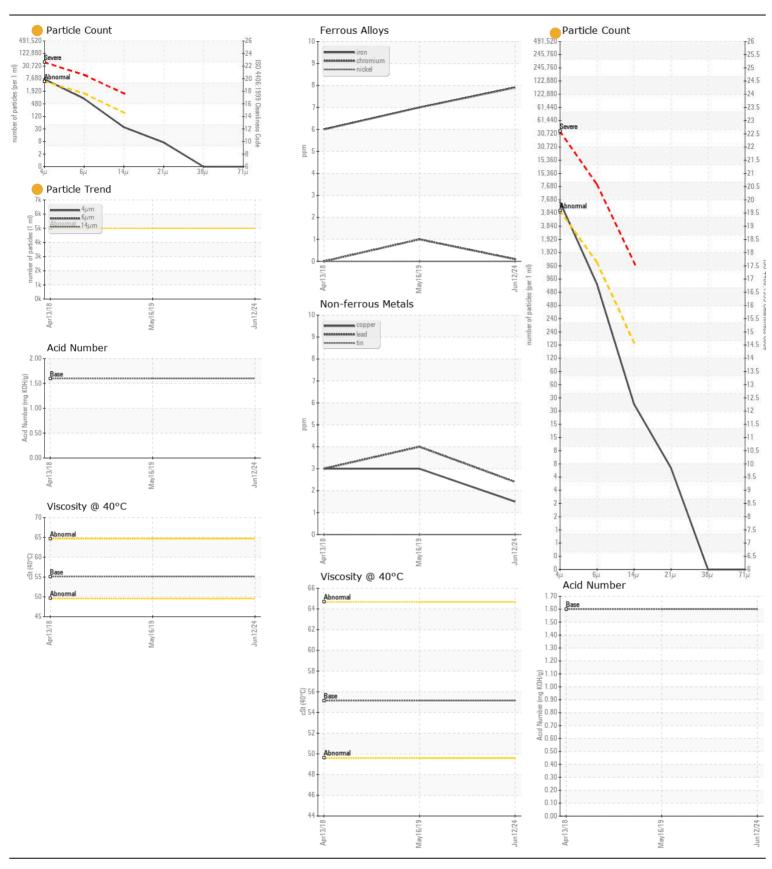
G.LOPES CONSTRUCTION INC./Off-Road

BH42

Component Hydraulic System

PETRO CANADA DURATRAN (--- GAL)

PETRO CANADA DURATRAN (GAL)							
RECOMMENDATION	Test Sample Number	UOM	Method Client Info	Limit/Abn	Current PCA0109698	History1 PCA43455056	History2 PCA13317029
Resample at the next service interval to monitor.	Sample Date		Client Info		12 Jun 2024	16 May 2019	13 Apr 2018
	Machine Age	hrs	Client Info		3887	2779	2167
	Oil Age	hrs	Client Info		3887		
	Filter Age	hrs	Client Info		0		
	Oil Changed	1110	Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				ATTENTION	NORMAL	NORMAL
WEAR	Iron	nnm	ASTM D5185m	> 20	8	7	6
WEAR	Chromium	ppm	ASTM D5185m		<1	1	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m	>10	0		
	Silver	ppm	ASTM D5185m		<1		
	Aluminum	ppm	ASTM D5185m	\10	1	2	0
	Lead	ppm	ASTM D5185m		2	4	3
	Copper	ppm	ASTM D5185m		2	3	3
	Tin	ppm	ASTM D5185m		0	0	0
	Vanadium	ppm	ASTM D5185m	710	<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	8	4	2
T	Potassium	ppm	ASTM D5185m	>20	<1	1	0
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.	Water		WC Method		NEG	NEG	NEG
	Particles >4µm		ASTM D7647	>5000	6328		
	Particles >6µm		ASTM D7647	>1300	736		
	Particles >14μm		ASTM D7647		32		
	Particles >21μm		ASTM D7647		6		
	Particles >38μm		ASTM D7647		0		
	Particles >71μm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		20/17/12		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor Emulsified Water	scalar	*Visual *Visual	NORML >0.1	NORML NEG		
	Linuisined Water		Visuai				
FLUID CONDITION	Sodium	ppm	ASTM D5185m		5	3	1
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		81	14	6
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		4	1	0
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m		53	15	7
	Calcium	ppm	ASTM D5185m		2471	648	364
	Phosphorus	ppm	ASTM D5185m		952	751	684
	Zinc	ppm	ASTM D5185m		1276	841	878
	Sulfur	ppm ma I/OU/a	ASTM D5185m		4095		
	Acid Number (AN) Visc @ 40°C	mg KOH/g	ASTM DA45		1.00		
	VISC @ 40°C	cSt	ASTM D445	55.14	46.0		





Certificate L2367

Laboratory Sample No.

: PCA0109698 Lab Number : 06210070 Unique Number : 11082934 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 Jun 2024 **Tested** : 17 Jun 2024

: 17 Jun 2024 - Angela Borella Diagnosed

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

565 WINTHROP ST TAUNTON, MA US 02780

G LOPES CONSTRUCTION

Contact: BUTCH MCGRATH bmcgrath@glopes.com

> T: F:

* - 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)