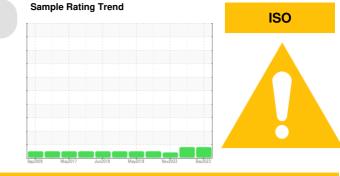


OIL ANALYSIS REPORT





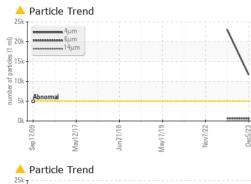
G.LOPES CONSTRUCTION INC./Off-Road Machine . Component **Hydraulic System**

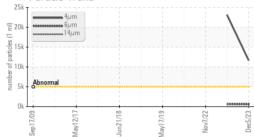
PETRO CANADA DURATRAN (--- GAL)

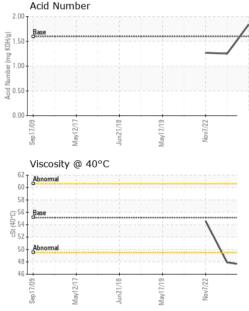
			Sepzoua	Mayzul/ Junzulo	May2019 N6V2022	Dec2023	
DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
A Recommendation	Sample Number		Client Info		PCA0109719	PCA0083406	PCA0083199
We recommend you service the filters on this	Sample Date		Client Info		05 Dec 2023	06 Dec 2022	07 Nov 2022
component. We recommend an early resample to	Machine Age	hrs	Client Info		37180	35953	35531
monitor this condition.	Oil Age	hrs	Client Info		13497	13628	13206
Wear	Oil Changed		Client Info		N/A	N/A	N/A
All component wear rates are normal.	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Contamination							
There is a moderate amount of silt (particulates <	CONTAMINAT	ION	method	limit/base	current	history1	history2
14 microns in size) present in the oil.	Water		WC Method	>0.1	NEG	NEG	NEG
Fluid Condition	WEAR METAL	0	method	limit/base	current	biotond	history
The AN level is acceptable for this fluid. The oil is		-0	method	iimii/base	current	history1	history2
still serviceable provided that the contaminant(s)	Iron	ppm	ASTM D5185m	>20	8	9	6
can be reduced to acceptable levels.	Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>10	<1	0	<1
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m		0	0	<1
	Aluminum	ppm	ASTM D5185m	>10	2	3	2
	Lead	ppm		>10	3	4	2
	Copper	ppm	ASTM D5185m		4	5	2
	Tin	ppm	ASTM D5185m		<1	<1	2
	Vanadium	ppm	ASTM D5185m	210	0	0	<1
	Cadmium	ppm	ASTM D5185m		0	0	<1
		ppm	AOTINI DOTODIII		U	0	<1
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	110	78	103	66
	Barium	ppm	ASTM D5185m	0.0	0	0	1
	Molybdenum	ppm	ASTM D5185m	0.0	5	6	5
	Manganese	ppm	ASTM D5185m	1	0	<1	<1
	Magnesium	ppm	ASTM D5185m	13	55	60	62
	Calcium	ppm	ASTM D5185m	3610	2838	3214	2744
	Phosphorus	ppm	ASTM D5185m		1035	1045	963
	Zinc	ppm	ASTM D5185m		1262	1327	1210
	Sulfur	ppm	ASTM D5185m		5537	6705	4722
							TILL
	CONTAMINAN	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>20	9	10	9
	Sodium	ppm	ASTM D5185m		<1	4	2
	Potassium	ppm	ASTM D5185m	>20	2	0	1
	FLUID CLEAN		mothed	limit/base		history	history
		LINE 33				history1	history2
	Particles >4µm		ASTM D7647		<u> </u>	2 3063	
	Particles >6µm		ASTM D7647	>1300	591	622	
	Particles >14µm		ASTM D7647		22	22	
	Particles >21µm		ASTM D7647	>40	6	6	
	Particles >38µm		ASTM D7647	>10	0	1	
	Particles >71µm		ASTM D7647	>3	0	1	
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 21/16/12	A 22/16/12	
	FLUID DEGRA		method	limit/base	ourropt	historyd	history
						history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	1.6	1.84	1.25	1.27



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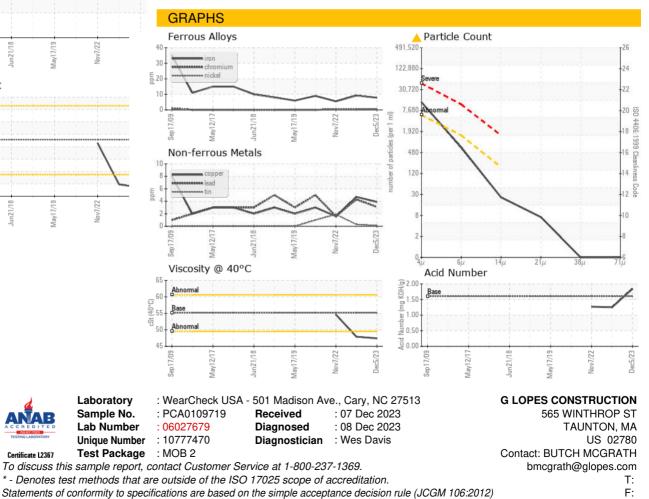






VICLAI		un a tha a d	line it /le e e e		la internet	bister 0
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	🔺 MODER
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		method	limit/base	current	history1	history2
			iiiiii/base	Current	Thistory I	THStOLY2
Visc @ 40°C	cSt	ASTM D445	55.14	47.4	47.9	54.6
SAMPLE IMAG	iES	method	limit/base	current	history1	history2
Color						

Bottom



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