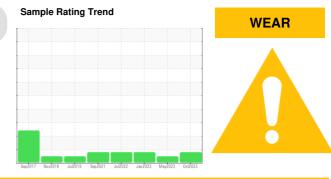


OIL ANALYSIS REPORT





G.LOPES CONSTRUCTION INC./Off-Road L00

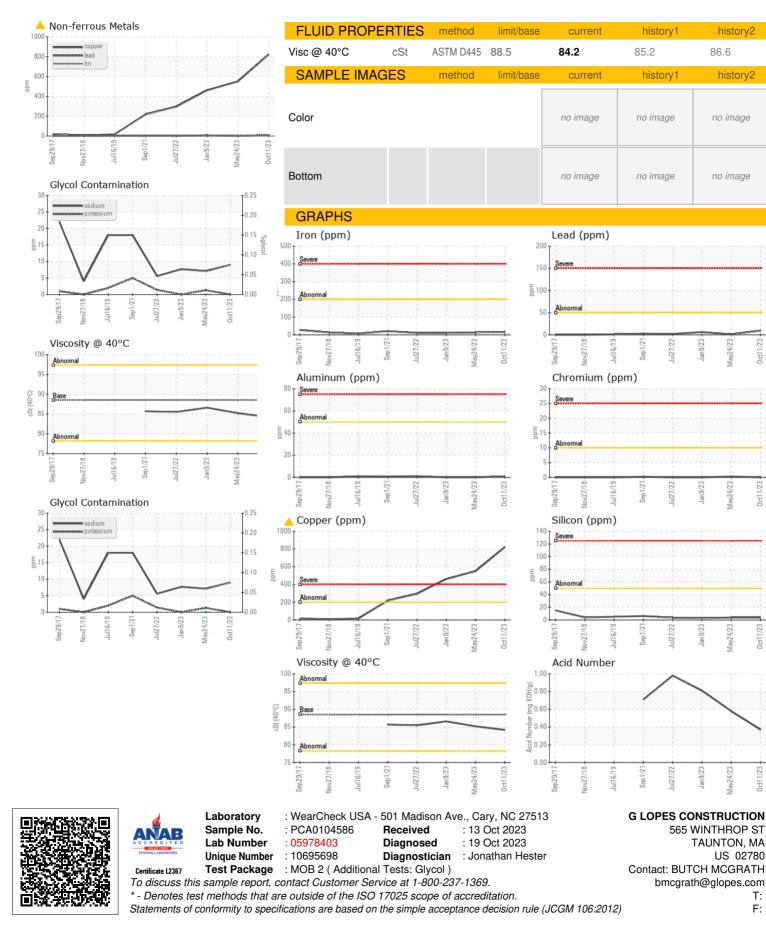
Component Transmission

PETRO CANADA PRODURO TO-4 SAE 30 (--- GAL)

DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
A Recommendation	Sample Number		Client Info		PCA0104586	PCA0083255	PCA0083440
No corrective action is recommended at this time.	Sample Date		Client Info		11 Oct 2023	24 May 2023	09 Jan 2023
We recommend an early resample to monitor this	Machine Age	hrs	Client Info		34603	34603	34603
condition.	Oil Age	hrs	Client Info		25531	25531	25531
A Wear	Oil Changed		Client Info		N/A	N/A	N/A
The copper level is abnormal. Clutch disc wear or oil cooler leaching indicated.	Sample Status				ABNORMAL	NORMAL	ABNORMAL
Contamination	WEAR METAL	S	method	limit/base	current	history1	history2
There is no indication of any contamination in the	Iron	ppm	ASTM D5185m	>200	16	13	11
fluid.	Chromium	ppm	ASTM D5185m	>10	0	<1	0
Fluid Condition	Nickel	ppm	ASTM D5185m		0	0	0
The AN level is acceptable for this fluid. The condition of the fluid is acceptable for the time in service.	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>50	<1	0	0
	Lead	ppm	ASTM D5185m	>50	9	1	6
	Copper	ppm	ASTM D5185m		A 823	551	4 61
	Tin	ppm	ASTM D5185m		<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		5	4	3
	Barium	ppm	ASTM D5185m		0	0	0
			ASTM D5185m		1	2	2
	Molybdenum	ppm					<1
	Manganese	ppm	ASTM D5185m		<1	<1 25	23
	Magnesium	ppm	ASTM D5185m		22		
	Calcium	ppm	ASTM D5185m		2780	2806	2895
	Phosphorus	ppm	ASTM D5185m		1016	1046	870
	Zinc	ppm	ASTM D5185m		919	1066	997
	Sulfur	ppm	ASTM D5185m	3811	5576	7193	6146
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>50	4	4	3
	Sodium	ppm	ASTM D5185m		9	7	8
	Potassium	ppm	ASTM D5185m	>20	0	1	0
	Glycol	%	*ASTM D2982			0.0	
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.37	0.58	0.81
	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	LIGHT	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
Report Id: GLOTAU [WUSCAR] 05978403 (Generated: 10/20/2023 (20.1			MATIERANOLI
10portiu. QEOTAO [10000An] 00070400 (Generaleu. 10/20/2020 (A FIEE Water	scalar	*Visual		NEG	Suprementation Dy.	MANULI



OIL ANALYSIS REPORT



Submitted By: MATT MANOLI

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