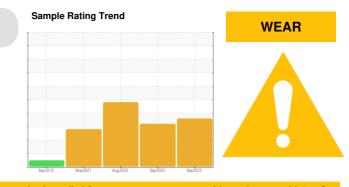


OIL ANALYSIS REPORT





G.LOPES CONSTRUCTION INC./Off-Road L336 Component

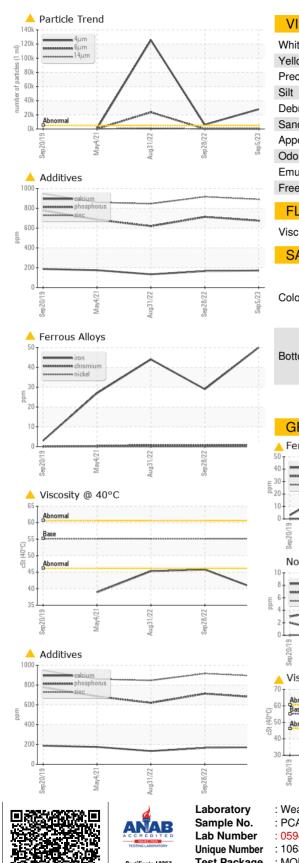
Hydraulic System

PETRO CANADA DURATRAN (--- GAL)

DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		PCA0104664	PCA0078024	PCA0078300
No corrective action is recommended at this time.	Sample Date		Client Info		05 Sep 2023	28 Sep 2022	31 Aug 2022
Resample at the next service interval to monitor.	Machine Age	hrs	Client Info		8761	7469	7145
A Wear	Oil Age	hrs	Client Info		4488	4594	2657
The iron level is abnormal. All other component	Oil Changed		Client Info		N/A	N/A	N/A
wear rates are normal.	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Contamination There is a high amount of silt (particulates < 14	WEAR METAL	S	method	limit/base	current	history1	history2
nicrons in size) present in the oil.	Iron	ppm	ASTM D5185m	>20	<u> </u>	<u> </u>	<u> </u>
Fluid Condition	Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
he oil viscosity is lower than normal. This plus the	Nickel	ppm	ASTM D5185m	>10	0	0	0
dditive levels indicates the addition of a different	Titanium	ppm	ASTM D5185m		0	0	<1
rand, or type of oil. Confirm oil type. The AN level	Silver	ppm	ASTM D5185m		0	0	<1
is acceptable for this fluid.	Aluminum	ppm	ASTM D5185m	>10	0	<1	2
	Lead	ppm	ASTM D5185m	>10	0	0	<1
	Copper	ppm	ASTM D5185m	>75	2	2	5
	Tin	ppm	ASTM D5185m	>10	0	0	<1
	Antimony	ppm	ASTM D5185m				
	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	2
	Barium	ppm	ASTM D5185m	0.0	7	0	0
	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		7	<1	3
	Calcium	ppm	ASTM D5185m	3610	<u> </u>	1 66	▲ 134
	Phosphorus	ppm	ASTM D5185m		6 75	▲ 713	▲ 620
	Zinc	ppm	ASTM D5185m		<u> </u>	916	▲ 846
	Sulfur	ppm			▲ 1905	1 975	▲ 1651
	CONTAMINAN	то					
	OONTAMINAN	15	method	limit/base	current	history1	history2
	Silicon	ppm	method ASTM D5185m		current 3	history1 1	<mark>history2</mark> 7
	Silicon	ppm	ASTM D5185m	>20	3	1	7
	Silicon Sodium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>20	3 <1	1 <1	7
	Silicon Sodium Potassium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>20 >20 limit/base	3 <1 0	1 <1 0	7 4 0
	Silicon Sodium Potassium FLUID CLEANI	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method	>20 >20 limit/base >5000	3 <1 0 current	1 <1 0 history1	7 4 0 history2
	Silicon Sodium Potassium FLUID CLEANL Particles >4µm	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647	>20 >20 limit/base >5000 >1300	3 <1 0 current ▲ 27920	1 <1 0 history1 ▲ 5967	7 4 0 history2 ▲ 125598
	Silicon Sodium Potassium FLUID CLEANL Particles >4µm Particles >6µm	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D7647 ASTM D7647	>20 >20 limit/base >5000 >1300 >160	3 <1 0 current 27920 86	1 <1 0 history1 ▲ 5967 145	7 4 0 history2 ▲ 125598 ▲ 23636
	Silicon Sodium Potassium FLUID CLEANI Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647	>20 >20 limit/base >5000 >1300 >160 >40	3 <1 0 current ▲ 27920 86 8	1 <1 0 history1 ▲ 5967 145 15	7 4 0 history2 ▲ 125598 ▲ 23636 ▲ 1127
	Silicon Sodium Potassium FLUID CLEANL Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >20 limit/base >5000 >1300 >160 >40 >10	3 <1 0 current ▲ 27920 86 8 1	1 <1 0 history1 ▲ 5967 145 15 4	7 4 0 history2 ▲ 125598 ▲ 23636 ▲ 1127 ▲ 211
	Silicon Sodium Potassium FLUID CLEANI Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >20 limit/base >5000 >1300 >160 >40 >10 >3	3 <1 0 current 27920 86 8 8 1 0 0	1 <1 0 history1 ▲ 5967 145 15 4 1	7 4 0 history2 ▲ 125598 ▲ 23636 ▲ 1127 ▲ 211 7
	Silicon Sodium Potassium FLUID CLEANL Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm _INESS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ISO 4406 (c)	>20 >20 limit/base >5000 >1300 >160 >40 >10 >3	3 <1 0 current 27920 86 8 8 1 0 0	1 <1 0 history1 ▲ 5967 145 15 4 1 0	7 4 0 history2 ▲ 125598 ▲ 23636 ▲ 1127 ▲ 211 7 0

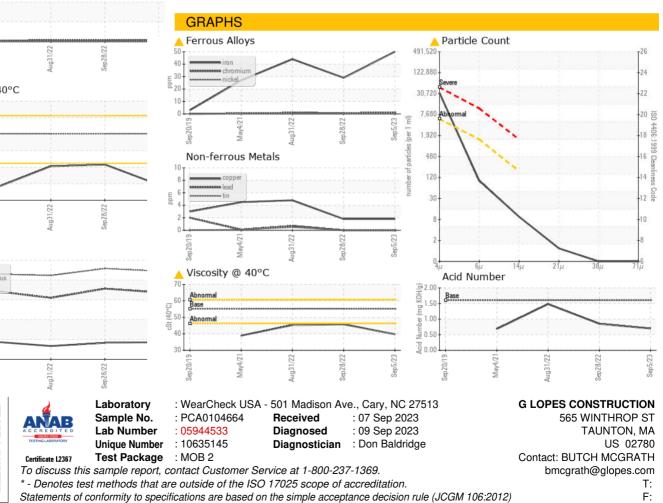


OIL ANALYSIS REPORT



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	NONE	LIGHT
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	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	55.14	4 39.7	45.8	45.3
SAMPLE IMAG	ES	method	limit/base	current	history1	history2
Color						
Bottom						

Bottom



Submitted By: MATT MANOLI