

OIL ANALYSIS REPORT





Area G.LOPES CONSTRUCTION INC./Off-Road E568 Component

Hydraulic System

PETRO CANADA DURATRAN (--- GAL)

	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
	Sample Number		Client Info		PCA0109721	PCA0083337	PCA0083314
filters on this tt service interval to	Sample Date		Client Info		05 Dec 2023	12 Dec 2022	30 Nov 2022
	Machine Age	nrs	Client Info		12272	11854	11812
	Oil Age	nrs	Client Info		11027	10651	1203
	Oil Changed		Client Info		N/A	N/A	N/A
rmal.	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
lates present in	CONTAMINATIC	N	method	limit/base	current	history1	history2
	Water		WC Method	>0.1	NEG	NEG	NEG
o fluid The	WEAR METALS		method	limit/base	current	history1	history2
further service.	lron p	opm	ASTM D5185m	>20	12	11	9
	Chromium p	opm	ASTM D5185m	>10	6	4	3
	Nickel	opm	ASTM D5185m	>10	<1	0	0
	Titanium p	opm	ASTM D5185m		<1	0	<1
	Silver	opm	ASTM D5185m		0	0	0
	Aluminum	opm	ASTM D5185m	>10	<1	<1	2
	Lead	opm	ASTM D5185m	>10	0	0	<1
	Copper p	opm	ASTM D5185m	>75	4	3	4
	Tin p	opm	ASTM D5185m	>10	0	0	0
	Antimony p	opm	ASTM D5185m				
	Vanadium	opm	ASTM D5185m		0	0	0
	Cadmium p	opm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron p	opm	ASTM D5185m	110	37	36	36
	Barium p	opm	ASTM D5185m	0.0	0	0	0
	Molybdenum p	opm	ASTM D5185m	0.0	6	5	5
	Manganese p	opm	ASTM D5185m	1	0	0	<1
	Magnesium p	opm	ASTM D5185m	13	52	50	51
	Calcium p	opm	ASTM D5185m	3610	1591	1710	1840
	Phosphorus p	opm	ASTM D5185m	1192	775	804	791
	Zinc p	opm	ASTM D5185m	1455	951	980	1009
	Sulfur ß	opm	ASTM D5185m	2641	2944	3439	3191
	CONTAMINANT	S	method	limit/base	current	history1	history2
	Silicon	opm	ASTM D5185m	>20	6	5	5
	Sodium p	opm	ASTM D5185m		<1	0	2
	Potassium p	opm	ASTM D5185m	>20	2	2	0
	FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
	Particles >4µm		ASTM D7647	>5000	▲ 20200	▲ 16542	2 3104
	Particles >6µm		ASTM D7647	>1300	<u> </u>	446	A 2835
	Particles >14µm		ASTM D7647	>160	187	24	134
	Particles >21µm		ASTM D7647	>40	<u> </u>	6	32
	Particles >38µm		ASTM D7647	>10	2	1	1
	Dorticlos 71um			. 0	0	0	0

ISO 4406 (c) >19/17/14 **22/18/15**

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

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

Oil Cleanliness

▲ 22/19/14

21/16/12



OIL ANALYSIS REPORT

Color

Bottom







Jov30/22

45

40

Sep28/21

FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.6	1.28	0.97	0.87
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	VLITE	VLITE
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	43.5	44.8	47.6
SAMPLE IMAG	ES	method	limit/base	current	history1	history2





Certificate L2367

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