

OIL ANALYSIS REPORT

Sample Rating Trend

ISO



We recommend you service the filters on this component. We recommend an early resample to

There is a moderate amount of silt (particulates <

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s)

All component wear rates are normal.

14 microns in size) present in the oil.

can be reduced to acceptable levels.

DIAGNOSIS

monitor this condition.

Contamination

Fluid Condition

Wear

Area G.LOPES CONSTRUCTION INC./Off-Road Machine Id E218 Component Hydraulic System

PETRO CANADA DURATRAN (--- GAL)

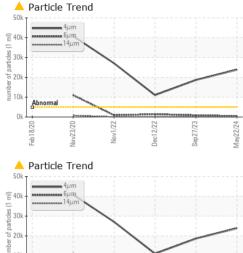
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0110073	PCA0104755	PCA0083340
Sample Date		Client Info		22 May 2024	27 Sep 2023	12 Dec 2022
Machine Age	hrs	Client Info		11497	11497	10838
Oil Age	hrs	Client Info		9147	9577	9210
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINA	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	4	6	6
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		1	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>10	<1	<1	<1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>75	<1	2	2
Tin	ppm	ASTM D5185m	>10	0	0	0
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	121	91	69
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.0	4	4	6
Manganese	ppm	ASTM D5185m	1	<1	<1	0
Magnesium	ppm	ASTM D5185m	13	60	67	62
Calcium	ppm	ASTM D5185m	3610	3245	2774	2833
Phosphorus	ppm	ASTM D5185m	1192	1095	989	1023
Zinc	ppm	ASTM D5185m	1455	1316	1259	1193
Sulfur	ppm	ASTM D5185m	2641	3568	3296	4325
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	17	11	6
Sodium	ppm	ASTM D5185m		<1	2	0
Potassium	ppm	ASTM D5185m	>20	0	0	2
FLUID CLEAN	ILINESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	A 23842	1 8679	1 1049
Particles >6µm		ASTM D7647	>1300	410	835	1359
Particles >14µm		ASTM D7647	>160	7	39	50
Particles >21µm		ASTM D7647	>40	2	8	8
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 22/16/10	1 21/17/12	2 1/18/13
FLUID DEGRA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.6	1.14	1.05	1.34

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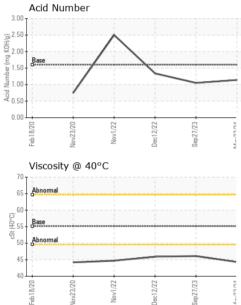
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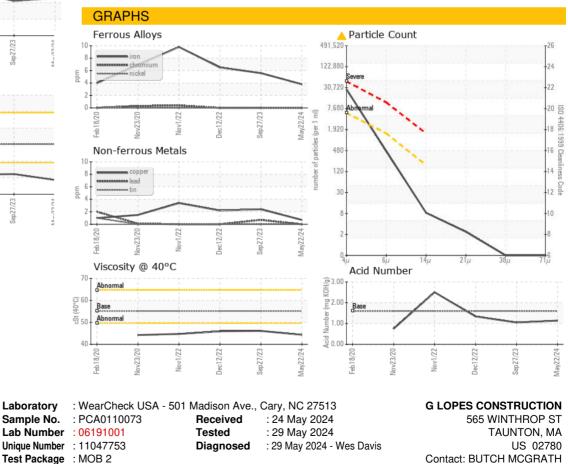
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	55.14	44.3	46.1	45.9
SAMPLE IMAG	iES	method	limit/base	current	history1	history2
Color						
Bottom						



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

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Certificate 12367

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