

# **OIL ANALYSIS REPORT**







Machine Id 133 Component

**Hydraulic System** 

PETRO CANADA 10W (--- GAL)

## **DIAGNOSIS**

### Recommendation

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

The iron level is abnormal. Moderate concentration of visible metal present.

### Contamination

There is no indication of any contamination in the

### **Fluid Condition**

The condition of the oil is acceptable for the time in service.

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			Jul2023	0 <i>c</i> t2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0868154	WC0822398	
Sample Date		Client Info		28 Oct 2023	08 Jul 2023	
Machine Age	hrs	Client Info		6638	6013	
Oil Age	hrs	Client Info		279	314	
Oil Changed	0	Client Info		Not Changd	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<b>△</b> 30	<b>4</b> 0	
Chromium	ppm	ASTM D5185m	>10	0	<1	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>10	3	5	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>75	13	17	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		30	30	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	1	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m		44	59	
Calcium	ppm	ASTM D5185m		1234	1420	
Phosphorus	ppm	ASTM D5185m		630	898	
Zinc	ppm	ASTM D5185m		816	1113	
Sulfur	ppm	ASTM D5185m		2015	2882	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	7	10	
Sodium	ppm	ASTM D5185m		2	1	
Potassium	ppm	ASTM D5185m	>20	0	3	
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	▲ MODER	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	
FLUID PROPERT	TES	method	limit/base	current	history1	history2

Visc @ 40°C

cSt

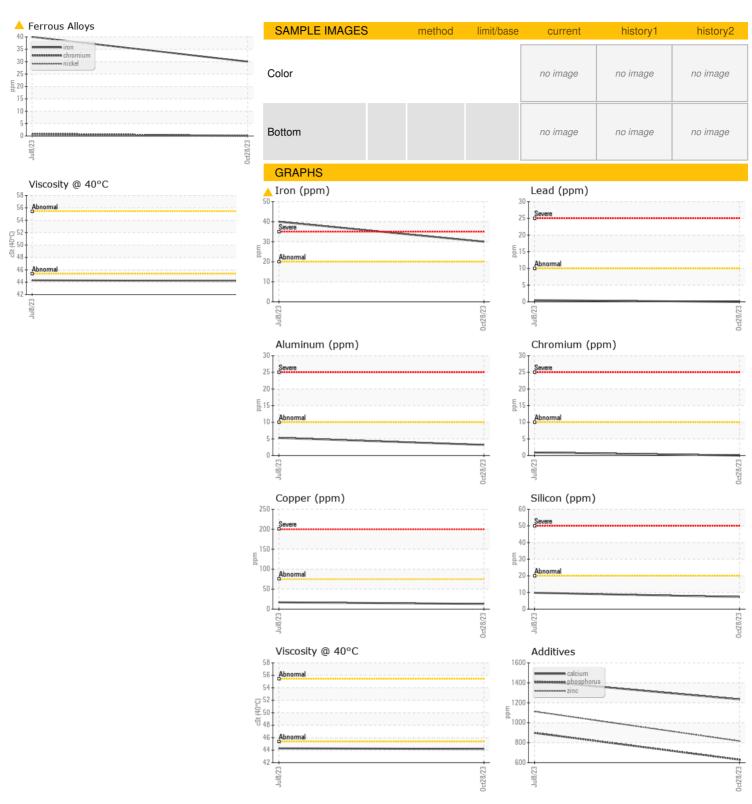
ASTM D445

44.2

44.3



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10725916 Test Package : MOB 1

: WC0868154 : 05997556

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

: 02 Nov 2023 : 05 Nov 2023 Diagnostician : Don Baldridge

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)

**C.L. BENTON & SONS INC** 

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T:

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