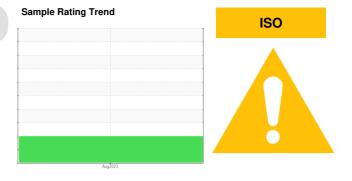
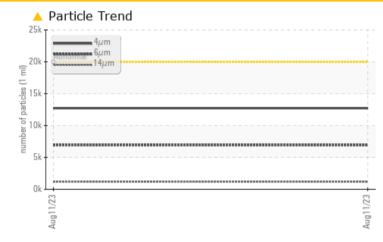
PROBLEM SUMMARY



Machine Id **101** Component **Diesel Engine** Fluid **PETRO CANADA 15W40 (--- GAL)**

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION						
Particles >6µm	ASTM D7647	>5000	🔺 6929						
Particles >14µm	ASTM D7647	>640	A 1179						
Particles >21µm	ASTM D7647	>160	<u> </u>						
Particles >38µm	ASTM D7647	>40	6 1						
Oil Cleanliness	ISO 4406 (c)	>21/19/16	<u> </u>						

Customer Id: CLBMYR Sample No.: WC0517505 Lab Number: 05939120 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Fluid			?	Oil and filter change at the time of sampling has been noted.			
Change Filter			?	Oil and filter change at the time of sampling has been noted.			

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

ISO

Machine Id **101** Component **Diesel Engine** Fluid **PETRO CANADA 15W40 (--- GAL)**

DIAGNOSIS

A Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0517505		
Sample Date		Client Info		11 Aug 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		250		
Oil Changed		Client Info		Changed		
Sample Status				ATTENTION		
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	11		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	2		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	<1		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		14		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		79		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		1143		
Calcium	ppm	ASTM D5185m		1346		
Phosphorus	ppm	ASTM D5185m		1282		
Zinc	ppm	ASTM D5185m		1525		
Sulfur	ppm	ASTM D5185m		4257		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4		
Nitration	Abs/cm	*ASTM D7624	>20	6.7		
1 Mill allori						

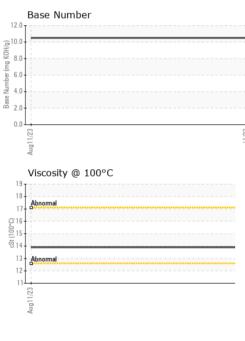


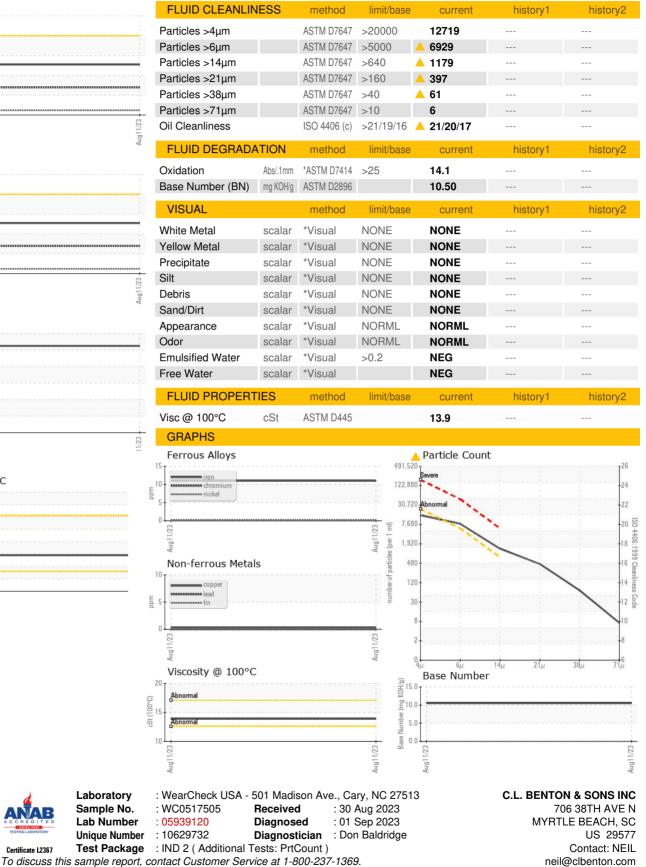
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OIL ANALYSIS REPORT









* - 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)

Certificate L2367

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F: