

OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
934083
Component

Natural Gas Engine

Fluid

PETRO CANADA 15W40 (--- GAL)

DIAGNOSIS

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

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. No other contaminants were detected in the oil.

Fluid Condition

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

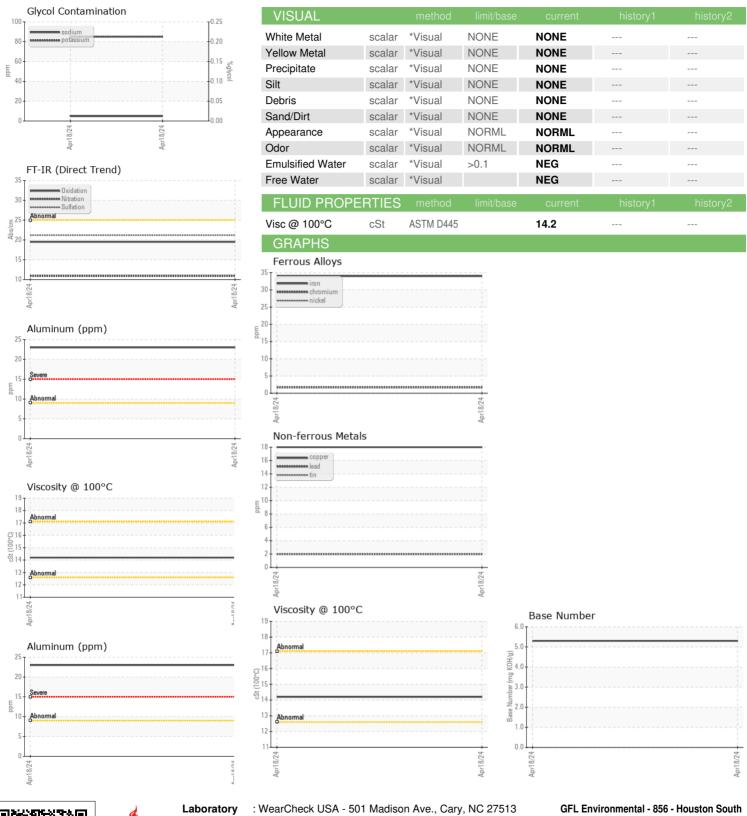
			Apr2024				
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0106735			
Sample Date		Client Info		18 Apr 2024			
Machine Age	hrs	Client Info		552			
Oil Age	hrs	Client Info		552			
Oil Changed	1113	Client Info		Changed			
Sample Status		Oliciti IIIIo		NORMAL			
	TION	method	limit/base	current	history1	history2	
Water	TION	WC Method	>0.1	NEG			
WEAR META	I S	method	limit/base	current	history1	history2	
						HISTOTYZ	
Iron	ppm	ASTM D5185m	>50	34			
Chromium	ppm	ASTM D5185m	>4	2			
Nickel	ppm	ASTM D5185m	>2	2			
Titanium	ppm	ASTM D5185m	-	<1			
Silver	ppm	ASTM D5185m	>3	<1			
Aluminum	ppm	ASTM D5185m	>9	23			
Lead	ppm	ASTM D5185m	>30	2			
Copper	ppm	ASTM D5185m	>35	18			
Tin	ppm	ASTM D5185m	>4	2			
Vanadium	ppm	ASTM D5185m		<1			
Cadmium	ppm	ASTM D5185m		<1			
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		25			
Barium	ppm	ASTM D5185m		2			
Molybdenum	ppm	ASTM D5185m		62			
Manganese	ppm	ASTM D5185m		10			
Magnesium	ppm	ASTM D5185m		721			
Calcium	ppm	ASTM D5185m		1299			
Phosphorus	ppm	ASTM D5185m		668			
Zinc	ppm	ASTM D5185m		881			
Sulfur	ppm	ASTM D5185m		2599			
CONTAMINA	NTS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>+100	29			
Sodium	ppm	ASTM D5185m		5			
Potassium	ppm	ASTM D5185m	>20	85			
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844		0.1			
Nitration	Abs/cm	*ASTM D7624	>20	10.9			
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2			
FLUID DEGRA	ADATION	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.5			
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5.3

Base Number (BN) mg KOH/g ASTM D2896



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Certificate 12367

Sample No. **Lab Number** : 06160192

: GFL0106735 Unique Number : 10995615 Test Package : FLEET

Received : 25 Apr 2024

Tested : 26 Apr 2024 Diagnosed : 26 Apr 2024 - Don Baldridge

8515 Highway 6 South

Houston, TX US 77083

Contact: Jose Gonzalez jgonzalez2@gflenv.com

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