

OIL ANALYSIS REPORT

Machine Id **820070**

Component **Diesel Engine**

PETRO CANADA 15W40 (--- GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation

We advise that you check for the source of the coolant leak. Check for low coolant level. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

Sodium and/or potassium levels are high.

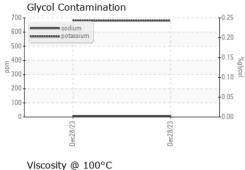
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil.

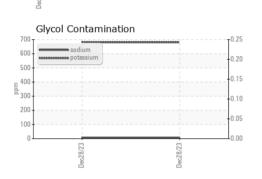
Machine Age hrs Client Info 675 Oil Age hrs Client Info 675 Oil Changed Client Info N/A					Dec2023		
Sample Date Client Info 28 Dec 2023	SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Date Client Info 28 Dec 2023	Sample Number		Client Info		GFL0098206		
Oil Age hrs Client Info 675 Oil Changed Client Info N/A Sample Status BABORMAL CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5 <1.0 Water WC Method >5 <1.0 WEAR METALS method limit/base current history1 history2 WEAR METALS method limit/base current history1 history2 WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 64 Chromium ppm ASTM D5185m >20 2 Silver ppm ASTM D5185m >3 0 Silver ppm ASTM D5185m	Sample Date		Client Info		28 Dec 2023		
Contamper Cont	Machine Age	hrs	Client Info		675		
CONTAMINATION method limit/base current history1 history2	Oil Age	hrs	Client Info		675		
ABNORMAL			Client Info		N/A		
Water	Sample Status				ABNORMAL		
Water WC Method >0.2 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 64 Chromium ppm ASTM D5185m >20 2 Nickel ppm ASTM D5185m >4 0 Silver ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >30 0 Aluminum ppm ASTM D5185m >40 2 Lead ppm ASTM D5185m >15 <1	CONTAMINAT	ION	method	limit/base	current	history1	history2
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Silver					-		
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OIL ANALYSIS REPORT



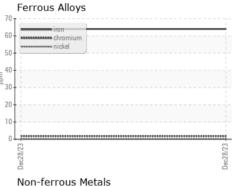
Dec28/23	5.00
Dec	Dec
Viscosity @ 100°C	
19 7	
17- Abnormal	
(5.0015 #814	
₹5 14	
13 - Abnormal	
12	

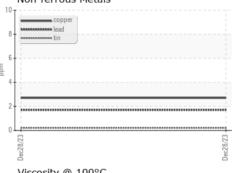


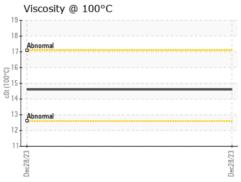
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		

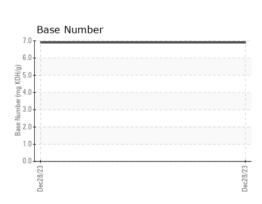
FLUID PROPI	ERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445		14.6		

GRAPHS











Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10816352

: GFL0098206 : 06050403

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

Diagnosed

Recieved : 03 Jan 2024 : 05 Jan 2024 Diagnostician : Jonathan Hester

Test Package : FLEET (Additional Tests: Glycol) 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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T: F: