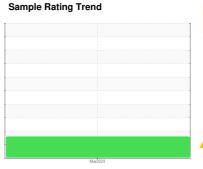


OIL ANALYSIS REPORT







Machine Id **211** Component

Diesel Engine

PETRO CANADA 15W40 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal.

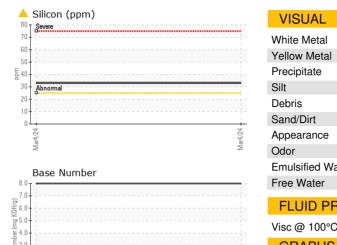
Fluid Condition

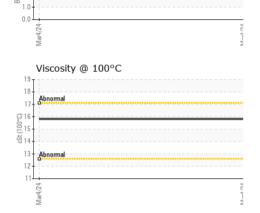
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION method limit/base current history1 history2					Mar2024		
Sample Number	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Date Client Info 04 Mar 2024 Machine Age mis Client Info 0 Oil Age mis Client Info 0 Oil Changed Client Info N/A Sample Status							
Machine Age mls Client Info 164949 Oil Changed Client Info 0 Sample Status Image: Client Info N/A CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5 <1.0	•						
Oil Age mls Client Info N/A	•	mle					
Oil Changed Sample Status Client Info N/A							
Sample Status	-	0			-		
CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5 <1.0							
Fuel	·	ION	method	limit/base	current	history1	history2
Water Glycol WC Method Glycol >0.2 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 23 Chromium ppm ASTM D5185m >20 0 Nickel ppm ASTM D5185m >4 0 Silver ppm ASTM D5185m >4 0 Aluminum ppm ASTM D5185m >20 2 Aluminum ppm ASTM D5185m >40 0 Lead ppm ASTM D5185m >40 0 Copper ppm ASTM D5185m >15 0 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0							
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Oxidation	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.2		
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896 8.0	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0		
	Base Number (BN)	mg KOH/g	ASTM D2896		8.0		



OIL ANALYSIS REPORT



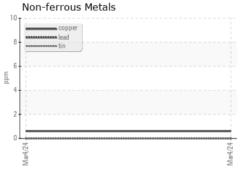


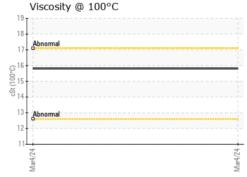
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
	DTIEO	on alle a al	live it /le e e e	a	la la tam et	history.O

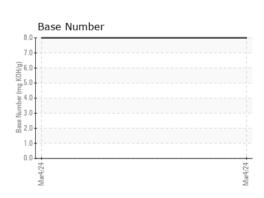
FLUID PROPI	ERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445		15.8		

GRAPHS

Ferrous Alloys











Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06124617 Unique Number : 10938768

: PCA0120339 Test Package : FLEET

Received **Tested** Diagnosed

: 21 Mar 2024 : 22 Mar 2024

: 23 Mar 2024 - Don Baldridge

COSTYS ENERGY SERVICES 2329 S MAIN ST MANSFIELD, PA

US 16933 Contact: CJ MARTIN

cmartin@costysenergy.com

T: F:

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)