

OIL ANALYSIS REPORT

Sample Rating Trend







727022
Component
Diesel Engine
Fluid
PETRO CANADA 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Machine Id

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

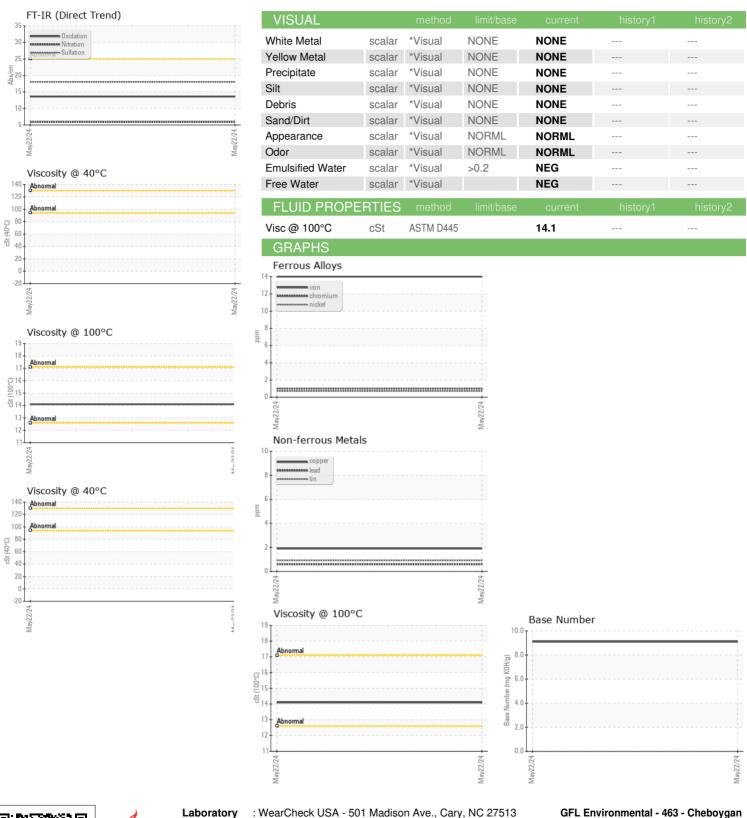
Fluid Condition

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.

Sample Date Client Info 13870					May2024		
Sample Number Client Info CFL0116067 Cample Date Client Info N/A Cample Status Client Info N/A Cample Status Contambox Contambox							
Client Info 13870	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 13870	Sample Number		Client Info				
Oil Age hrs Client Info 13870	Sample Date		Client Info		-		
Contamped Client Info N/A	<u> </u>	hrs					
CONTAMINATION method mill/base current history1 history2	-	hrs					
CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5 <1.0 Water WC Method >0.2 NEG Glycol WC Method NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 14 Nickel ppm ASTM D5185m >20 1 Nickel ppm ASTM D5185m >4 <1 Silver ppm ASTM D5185m >3 1 Aluminum ppm ASTM D5185m >40 <1 Aluminum ppm ASTM D5185m >330 2 Tin ppm ASTM D5185m >330 2	-		Client Info				
Fuel	Sample Status				NORMAL		
Water Glycol WC Method >0.2 NEG	CONTAMINAT	ION	method	limit/base	current	history1	history2
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 14 Chromium ppm ASTM D5185m >20 1 Nickel ppm ASTM D5185m >4 <1	Fuel		WC Method	>5	<1.0		
WEAR METALS	Water		WC Method	>0.2	NEG		
ASTM D5185m	Glycol		WC Method		NEG		
Chromium ppm ASTM D5185m >20	WEAR METAL	.S	method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>100	14		
Titanium		ppm					
Silver	Nickel	ppm		>4	<1		
Aluminum ppm ASTM D5185m >20 4 Lead ppm ASTM D5185m >40 <1	Titanium	ppm					
Lead							
Copper ppm ASTM D5185m >330 2 Tin ppm ASTM D5185m >15 <1					-		
Tin							
Vanadium ppm ASTM D5185m <1 Cadmium ppm ASTM D5185m <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 10 Barium ppm ASTM D5185m <1 Molybdenum ppm ASTM D5185m 58 Manganese ppm ASTM D5185m 891 Magnesium ppm ASTM D5185m 973 Calcium ppm ASTM D5185m 860 Zinc ppm ASTM D5185m 1101 Sulfur ppm ASTM D5185m 2712 CONTAMINANTS method limit/base current history1 history2 Solicon ppm ASTM D5185m >20 4					_		
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Barium ppm ASTM D5185m <1	ADDITIVES		method	limit/base	current	history1	history2
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Oxidation							
	FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896 9.10	Oxidation			>25	13.6		
	Base Number (BN)	mg KOH/g	ASTM D2896		9.10		



OIL ANALYSIS REPORT







Sample No.

: GFL0116067 Lab Number : 06191891

Unique Number : 11048643

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

: 28 May 2024 : 30 May 2024 Diagnosed

: 30 May 2024 - Sean Felton

Cheboygan, MI US 49721 Contact: Chris Gee cgee@gflenv.com T: (231)597-8553

501 N. Western Ave

Certificate 12367

Test Package : FLEET (Additional Tests: KV40) 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)