

## **PROBLEM SUMMARY**

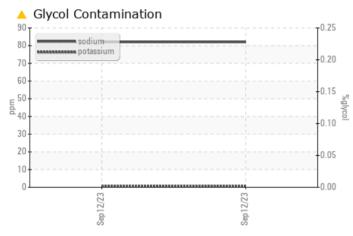
Sample Rating Trend

#### Area (AY403B) Supermarket Machine Id FREIGHTLINER 107A1838 Component

Diesel Engine

Fluid PETRO CANADA DURON SHP 10W30 (11 GAL)

## COMPONENT CONDITION SUMMARY



### RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC	C TEST	RESULT	S		
Sample Status			Α	TTENTION	 
Sodium	ppm	ASTM D5185m	<u> </u>	82	 

Customer Id: TSV1072 Sample No.: PCA0104809 Lab Number: 05958055 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

*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**

Sample Rating Trend

**GLYCOL** 

## Area (AY403B) Supermarket Machine Id FREIGHTLINER 107A1838

Diesel Engine

Fluid PETRO CANADA DURON SHP 10W30 (11 GAL)

### DIAGNOSIS

### Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

Sodium and/or potassium levels are high. Test for glycol is negative.

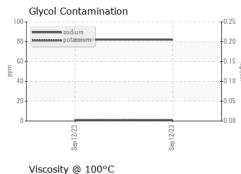
#### Fluid Condition

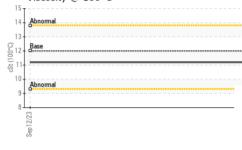
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

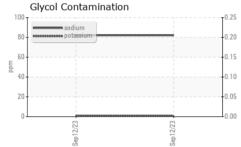
iAL)				Sep2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0104809		
Sample Date		Client Info		12 Sep 2023		
Machine Age	mls	Client Info		42999		
Oil Age	mls	Client Info		17809		
Oil Changed		Client Info		Changed		
Sample Status				ATTENTION		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	21		
Chromium	ppm	ASTM D5185m	>5	1		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>30	4		
Lead	ppm	ASTM D5185m	>30	0		
Copper	ppm	ASTM D5185m	>150	1		
Tin	ppm	ASTM D5185m	>5	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	2		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	50	49		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	950	746		
Calcium	ppm	ASTM D5185m	1050	831		
Phosphorus	ppm	ASTM D5185m	995	832		
	pp			052		
Zinc	ppm	ASTM D5185m	1180	1023		
		ASTM D5185m ASTM D5185m				
	ppm ppm		1180	1023 2685		
Sulfur CONTAMINAN	ppm ppm	ASTM D5185m	1180 2600 limit/base	1023 2685		
Sulfur CONTAMINAN Silicon	ppm ppm ITS	ASTM D5185m method	1180 2600 limit/base	1023 2685 current		
Sulfur CONTAMINAN Silicon Sodium	ppm ppm ITS ppm	ASTM D5185m method ASTM D5185m	1180 2600 limit/base	1023 2685 current 8	  history1 	  history2 
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Glycol	ppm ppm ITS ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m	1180 2600 limit/base >20	1023 2685 current 8 ▲ 82	 history1 	 history2 
Sulfur CONTAMINAN Silicon Sodium Potassium	ppm ppm ITS ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	1180 2600 limit/base >20	1023 2685 current 8 ▲ 82 <1 NEG	 history1  	 history2 
Sulfur CONTAMINAN Silicon Sodium Potassium Glycol INFRA-RED	ppm ppm ITS ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D2982	1180 2600 limit/base >20 >20	1023 2685 current 8 ▲ 82 <1 NEG	 history1   	 history2   
Sulfur CONTAMINAN Silicon Sodium Potassium Glycol INFRA-RED Soot %	ppm ppm TS ppm ppm ppm %	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D2982 method	1180 2600 limit/base >20 >20 limit/base >3	1023 2685 <u>current</u> 8 ▲ 82 <1 NEG current	 history1    history1	 history2    history2
Sulfur CONTAMINAN Silicon Sodium Potassium Glycol	ppm ppm TS ppm ppm ppm %	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D2982 method *ASTM D7844	1180 2600 limit/base >20 >20 limit/base >3	1023 2685 current 8 ▲ 82 <1 NEG current 0.1	 history1    history1 	 history2    history2 
Sulfur CONTAMINAN Silicon Sodium Potassium Glycol INFRA-RED Soot % Nitration	ppm ppm TTS ppm ppm ppm % % % Abs/cm Abs/.1mm	ASTM D5185m method ASTM D5185m ASTM D5185m *ASTM D2982 method *ASTM D7844 *ASTM D7624 *ASTM D7415	1180 2600 >20 >20 >20 limit/base >3 >20	1023 2685 current 8 ▲ 82 <1 NEG current 0.1 9.1 24.1	 history1    history1 	 history2    history2 
Sulfur CONTAMINAN Silicon Sodium Potassium Glycol INFRA-RED Soot % Nitration Sulfation	ppm ppm TTS ppm ppm ppm % % % Abs/cm Abs/.1mm	ASTM D5185m method ASTM D5185m ASTM D5185m *ASTM D2982 method *ASTM D7844 *ASTM D7624 *ASTM D7415	1180 2600 >20 >20 >20 imit/base >3 >20 >30 imit/base	1023 2685 current 8 ▲ 82 <1 NEG current 0.1 9.1 24.1	 history1    history1  	 history2    history2  

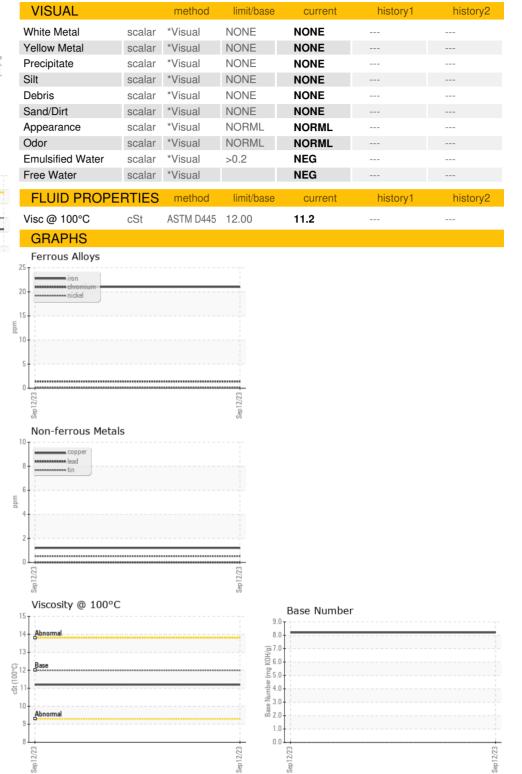


# **OIL ANALYSIS REPORT**











 Unique Number
 : 10659268
 Diagnostician
 : Jonathan Hester

 Certificate L2367
 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)

: PCA0104809

: 05958055

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

: 21 Sep 2023

: 25 Sep 2023

Received

Diagnosed

Laboratory

Sample No.

Lab Number

Transervice - Shop 1072 - Supermarket-Elizabeth

505 Division Street

Contact: Normand Brizak

nbrizak@transervice.com

Elizabeth, NJ

US 07207

T:

F: