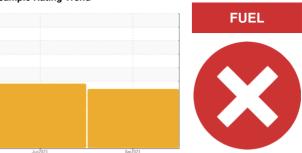


PROBLEM SUMMARY

Sample Rating Trend



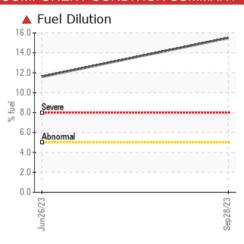
Machine Id

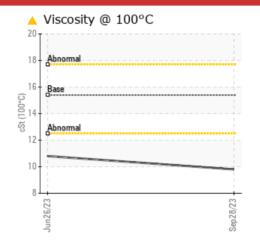
FREIGHTLINER 2

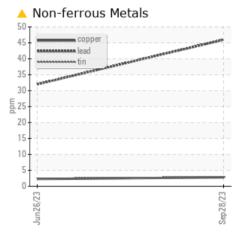
Diesel Engine

PETRO CANADA DURON SHP 15W40 (13 LTR)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS									
Sample Status				SEVERE	SEVERE				
Lead	ppm	ASTM D5185m	>30	46	<u></u> 32				
Fuel	%	ASTM D3524	>5	15.5	1 1.6				
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	△ 3.3	6.6				
Visc @ 100°C	cSt	ASTM D445	15.4	9.8	△ 10.8				

Customer Id: ATRPIN Sample No.: PCA0102620 Lab Number: 06188595 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

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.			
Resample	MISSED	May 28 2024	?	We recommend an early resample to monitor this condition.			
Check Fuel/injector System	MISSED	May 28 2024	?	We advise that you check the fuel injection system.			

HISTORICAL DIAGNOSIS

26 Jun 2023 Diag: Don Baldridge

FOEL

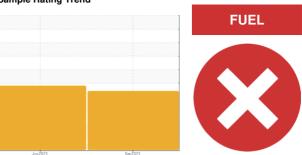
We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The lead level is abnormal. Elemental level of silicon (Si) above normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.





OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FREIGHTLINER 2

Diesel Engine

PETRO CANADA DURON SHP 15W40 (13 L

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

The lead level is abnormal.

Contamination

There is a high amount of fuel present in the oil.

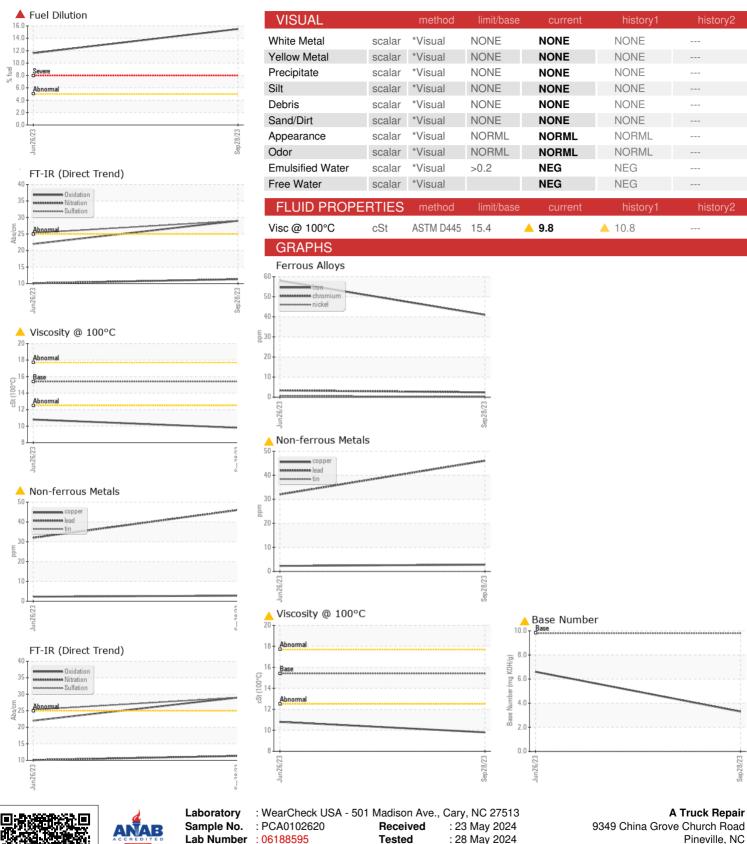
Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The BN level is low. The oil is no longer serviceable due to the presence of contaminants.

LTR)			Jun2023	Sep 2023		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Client Info		PCA0102620	PCA0100625	
Sample Date		Client Info		28 Sep 2023	26 Jun 2023	
Machine Age	mls	Client Info		613637	587612	
		Client Info			28347	
Oil Age	mls	Client Info		29853 Changed		
Oil Changed		Ciletit IIIIO		SEVERE	Changed SEVERE	
Sample Status				SEVERE		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	41	58	
Chromium	ppm	ASTM D5185m	>5	2	3	
Nickel	ppm	ASTM D5185m	>2	<1	<1	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>3	<1	0	
Aluminum	ppm	ASTM D5185m	>30	1	<1	
Lead	ppm	ASTM D5185m	>30	46	△ 32	
Copper	ppm	ASTM D5185m	>150	3	2	
Tin	ppm	ASTM D5185m	>5	3	2	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	<1	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	49	56	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	742	796	
Calcium	ppm	ASTM D5185m	1070	929	1005	
Phosphorus	ppm	ASTM D5185m	1150	733	893	
Zinc	ppm	ASTM D5185m	1270	982	1074	
Sulfur	ppm	ASTM D5185m	2060	2560	2667	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	13	3 3	
Sodium	ppm	ASTM D5185m		<1	2	
Potassium	ppm	ASTM D5185m	>20	2	3	
Fuel	%	ASTM D3524	>5	15.5	▲ 11.6	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	2.4	2.1	
Nitration	Abs/cm	*ASTM D7624	>20	11.3	10.1	
Sulfation	Abs/.1mm	*ASTM D7415	>30	29.0	25.3	
FLUID DEGRA	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	29.0	22.0	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	△ 3.3	6.6	
2000 Hambor (DIV)	mg norng	. IO I III DE000	3.0	0.0	0.0	



OIL ANALYSIS REPORT







Certificate 12367

Lab Number : 06188595

Tested Unique Number : 11045347 Diagnosed

: 28 May 2024 Test Package : FLEET (Additional Tests: PercentFuel)

: 28 May 2024 - Don Baldridge

US 28134 Contact: Vlad Melnichuk shop@migway.com T: (980)255-3200

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)