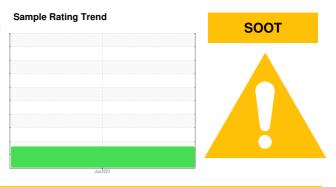


PROBLEM SUMMARY

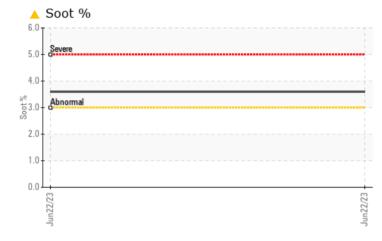
FREIGHTLINER 93

Diesel Engine



PETRO CANADA DURON SHP 15W40 (13 LTR)

COMPONENT CONDITION SUMMARY



9.0	Fuel Dilution	
8.0	Severe	1
7.0		1
6.0	Abnormal	
⊒5.0 ⊒ ≈4.0		
°~4.0 3.0		
2.0		
1.0		1
0.0		23 +
	57/77 unr	Jun22/23

RECOMMENDATION

The oil change at the time of sampling has been noted. No other corrective action is recommended at this time.

PROBLEMATIC TEST RESULTS										
Sample Status		ABNORMAL								
Fuel	%	ASTM D3524	>5	4.3						
Soot %	%	*ASTM D7844	>3	A 3.6						

Customer Id: ATRPIN Sample No.: PCA0100698 Lab Number: 05885393 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u> There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



FREIGHTLINER 93

Diesel Engine

Fluid PETRO CANADA DURON SHP 15W40 (13 LTR)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. No other corrective action is recommended at this time.

Wear

All component wear rates are normal.

Contamination

Light fuel dilution occurring. Light concentration of carbon/soot present in the oil. No other contaminants were detected in the oil.

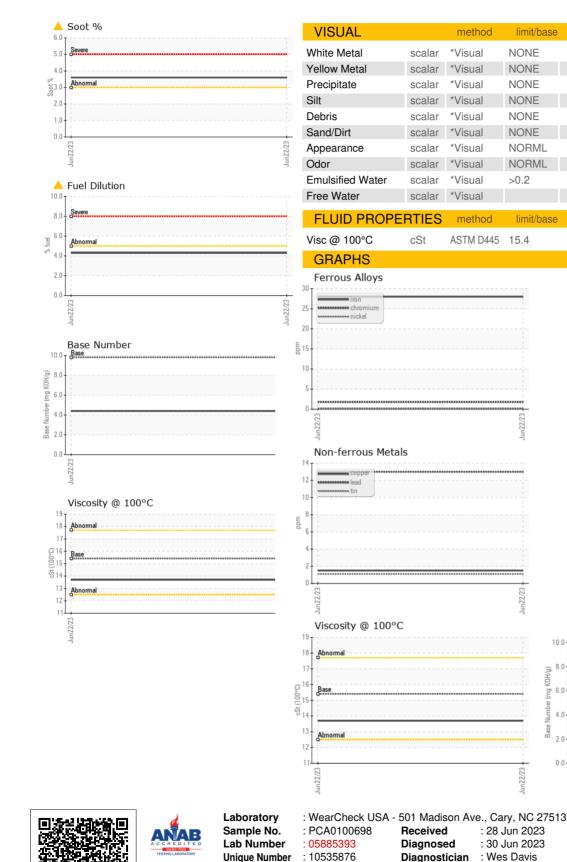
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

,				Jun2023		
SAMPLE INFORM	IATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0100698		
Sample Date		Client Info		22 Jun 2023		
Machine Age	mls	Client Info		385725		
Oil Age mls		Client Info		28289		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATI	ON	method	limit/base	current	history 1	history 2
Glycol		WC Method		NEG		
WEAR METALS	6	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>80	28		
Chromium	ppm	ASTM D5185m	>5	2		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>30	1		
Lead	ppm	ASTM D5185m	>30	13		
Copper	ppm	ASTM D5185m	>150	2		
Tin	ppm	ASTM D5185m	>5	1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	2		
Barium	ppm	ASTM D5185m	0	<1		
Molybdenum	ppm	ASTM D5185m	60	60		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	945		
Calcium	ppm	ASTM D5185m	1070	1138		
Phosphorus	ppm	ASTM D5185m	1150	1000		
Zinc	ppm	ASTM D5185m	1270	1232		
Sulfur	ppm	ASTM D5185m	2060	3476		
CONTAMINAN	ΓS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>20	5		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	3		
Fuel	%	ASTM D3524	>5	4 .3		
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	A 3.6		
Nitration	Abs/cm	*ASTM D7624	>20	10.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.1		
FLUID DEGRAD	ATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.7		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	4.4		



OIL ANALYSIS REPORT



A Truck Repair 9349 China Grove Church Road Pineville, NC US 28134 Contact: Vlad Melnichuk shop@migway.com T: (980)255-3200 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

history 1

history

current

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

current

Base Number

un22/73

Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

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.

NEG

NEG

13.7

history 2

history 2

Certificate L2367

Submitted By: Vlad Melnichuk

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