

PROBLEM SUMMARY

Sample Rating Trend SOOT

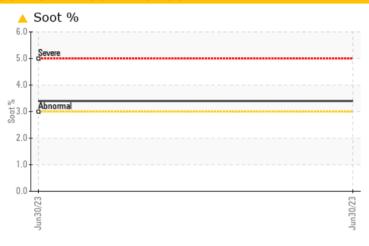
FREIGHTLINER 54

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (13 LTR)

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 TEST RESULTS								
Sample Status				ABNORMAL				
Soot %	%	*ASTM D7844	>3	△ 3.4				

Customer Id: ATRPIN
Sample No.: PCA0100630
Lab Number: 05897860
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
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.		

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

SOOT



FREIGHTLINER 54

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (13 LTR)

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

There is an abnormal amount of solids and carbon present in the oil.

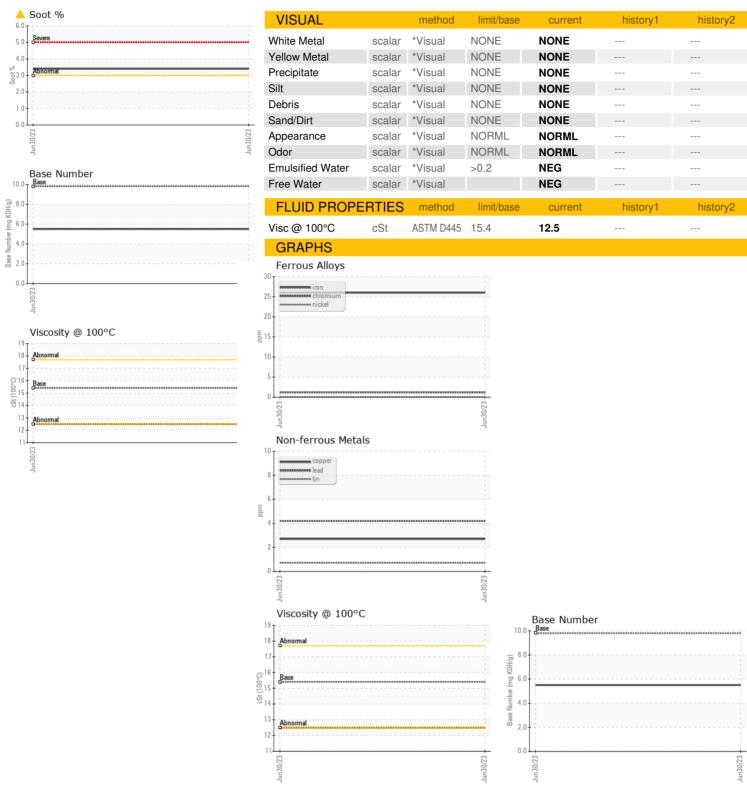
Fluid Condition

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

-TR)				Jun2023		
CAMPLE INCORM	A TIONI				la i a ta murd	la i a ta uu . O
SAMPLE INFORMA	ATION		limit/base	current	history1	history2
Sample Number		Client Info		PCA0100630		
Sample Date		Client Info		30 Jun 2023		
3 -	nls	Client Info		585116		
0	nls	Client Info		30000		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron p	opm	ASTM D5185m	>80	26		
	opm	ASTM D5185m	>5	1		
	opm	ASTM D5185m	>2	0		
	opm	ASTM D5185m		0		
	opm	ASTM D5185m	>3	0		
Aluminum p	opm	ASTM D5185m	>30	3		
	opm	ASTM D5185m	>30	4		
Copper	opm	ASTM D5185m	>150	3		
Tin p	opm	ASTM D5185m	>5	<1		
Vanadium p	opm	ASTM D5185m		0		
Cadmium p	opm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron r	opm	ASTM D5185m	0	2		
	opm	ASTM D5185m	0	0		
Molybdenum p	opm	ASTM D5185m	60	56		
	opm	ASTM D5185m	0	<1		
	opm	ASTM D5185m	1010	790		
	opm	ASTM D5185m	1070	1077		
	opm	ASTM D5185m	1150	924		
Zinc	opm	ASTM D5185m	1270	1079		
Sulfur p	opm	ASTM D5185m	2060	2958		
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	opm	ASTM D5185m	>20	5		
Sodium	opm	ASTM D5185m		0		
Potassium p	opm	ASTM D5185m	>20	6		
Fuel	%	ASTM D3524	>5	<1.0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	▲ 3.4		
Nitration /	Abs/cm	*ASTM D7624	>20	9.8		
	Abs/.1mm	*ASTM D7415	>30	26.7		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation A	Abs/.1mm	*ASTM D7414	>25	19.2		
Base Number (BN)	ng KOH/g	ASTM D2896	9.8	5.5		



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0100630

: 05897860 : 10559216

Received : 13 Jul 2023 Diagnosed : 14 Jul 2023 Diagnostician : Jonathan Hester

Test Package : FLEET (Additional Tests: FuelDilution) 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)

A Truck Repair

9349 China Grove Church Road Pineville, NC US 28134

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