

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



FREIGHTLINER 180

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

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 suitable for further service.

GAL)				Jun 2023		
SAMPLE INFOR	MATION	method	limit/base		history 1	history 2
Sample Number		Client Info		PCA0100708		
Sample Date		Client Info		21 Jun 2023		
Machine Age	mls	Client Info		126762		
Oil Age	mls	Client Info		25000		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Fuel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>80	18		
Chromium	ppm	ASTM D5185m	>5	1		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>30	2		
Lead	ppm	ASTM D5185m	>30	<1		
Copper	ppm	ASTM D5185m	>150	24		
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	2	3		
Barium	ppm	ASTM D5185m	0	1		
Molybdenum	ppm	ASTM D5185m	50	64		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	950	927		
Calcium	ppm	ASTM D5185m	1050	1181		
Phosphorus	ppm	ASTM D5185m	995	1003		
Zinc	ppm	ASTM D5185m		1257		
Sulfur	ppm	ASTM D5185m	2600	3215		
CONTAMINAN	ITS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>20	4		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	7		
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	0.7		

8.8

21.0

16.9

8.1

Abs/cm *ASTM D7624 >20

Abs/.1mm *ASTM D7415 >30

Abs/.1mm *ASTM D7414 >25

FLUID DEGRADATION method

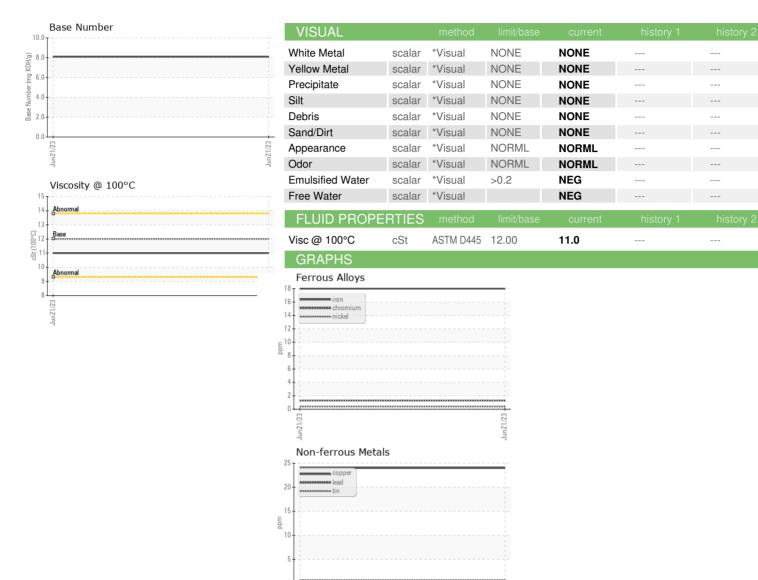
Base Number (BN) mg KOH/g ASTM D2896

Nitration Sulfation

Oxidation



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No.

Lab Number Unique Number

: 10535875 Test Package : FLEET

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0100708 Received : 28 Jun 2023 : 05885392 Diagnosed

Viscosity @ 100°C

: Wes Davis Diagnostician

: 30 Jun 2023

9349 China Grove Church Road Pineville, NC US 28134 Contact: Vlad Melnichuk shop@migway.com T: (980)255-3200

Base Number

8.0 (B/T.0 (B/HO) 6.0 £ 5.0

흩 4.0 2.0 1.0 0.0

* - 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