

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



FREIGHTLINER 161

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.

AL)				Jun2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0100697		
Sample Date		Client Info		22 Jun 2023		
Machine Age	mls	Client Info		132175		
Oil Age	mls	Client Info		29201		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINA	TION	method	limit/base	current	history 1	history 2
Fuel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR META	LS	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>80	35		
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	7		
Lead	ppm	ASTM D5185m	>30	<1		
Copper	ppm	ASTM D5185m	>150	22		
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	<1		
Barium	ppm	ASTM D5185m	0	<1		
Molybdenum	ppm	ASTM D5185m	50	65		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	950	980		
Calcium	ppm	ASTM D5185m	1050	1148		
Phosphorus	ppm	ASTM D5185m	995	1008		
Zinc	ppm	ASTM D5185m	1180	1280		
Sulfur	ppm	ASTM D5185m	2600	2918		
CONTAMINA	NTS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>20	6		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	18		
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	8.0		
Nitration	Abs/cm	*ASTM D7624	>20	10.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.5		
FLUID DEGRA	ADATION	method	limit/base	current	history 1	history 2
Outdetten	Aba / 1	*ACTM D7414	. 05	20.1		

20.1

6.9

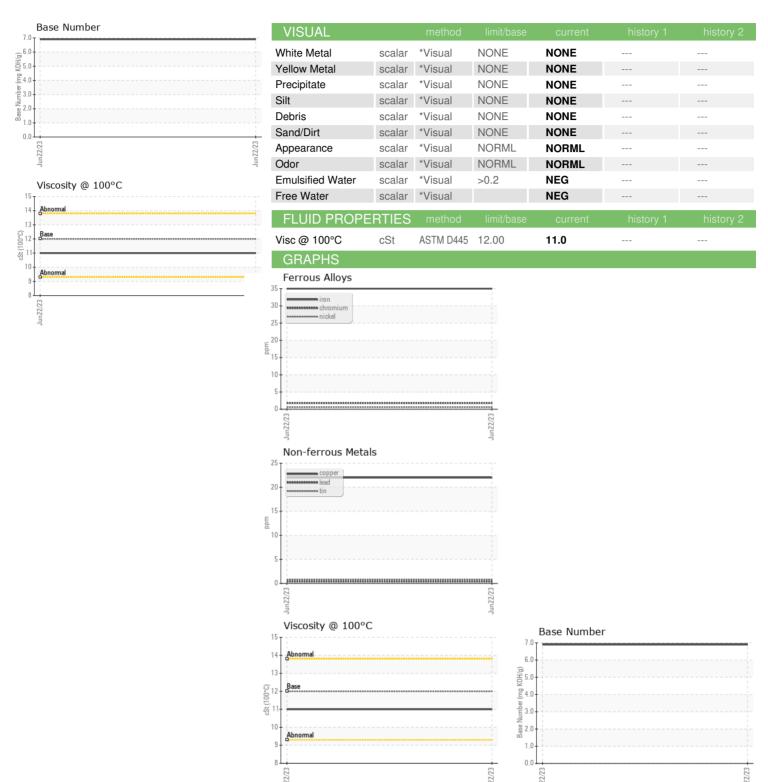
Abs/.1mm *ASTM D7414 >25

Base Number (BN) mg KOH/g ASTM D2896

Oxidation



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: 05885390 : 10535873 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0100697

Diagnosed Diagnostician

Received : 28 Jun 2023 : Wes Davis

: 30 Jun 2023

A Truck Repair 9349 China Grove Church Road Pineville, NC 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.

* - 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)