

# **OIL ANALYSIS REPORT**

#### Sample Rating Trend

# NORMAL NORMAL



# FREIGHTLINER 403460

Component

Diesel Engine

Fluid

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.

`	Ju2020 Ju2021 Ju2022 Jun2023						
SAMPLE INFORI	MATION	method	limit/base	current	history 1	history 2	
Sample Number		Client Info		PCA0098990	PCA0078927	PCA0055399	
Sample Date		Client Info		29 Jun 2023	29 Jul 2022	28 Jul 2021	
Machine Age	mls	Client Info		96552	62320	32034	
Oil Age	mls	Client Info		0	30286	14640	
Oil Changed		Client Info		Changed	Changed	Changed	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history 1	history 2	
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	NEG	
WEAR METAL	S	method	limit/base	current	history 1	history 2	
Iron	ppm	ASTM D5185m	>200	58	55	43	
Chromium	ppm	ASTM D5185m	>20	2	2	1	
Nickel	ppm	ASTM D5185m	>2	1	<1	0	
Titanium	ppm	ASTM D5185m	>2	0	0	<1	
Silver	ppm	ASTM D5185m	>2	<1	0	<1	
Aluminum	ppm	ASTM D5185m	>30	17	19	12	
Lead	ppm	ASTM D5185m	>30	0	0	0	
Copper	ppm	ASTM D5185m	>30	4	5	11	
Tin	ppm	ASTM D5185m	>15	2	2	3	
Antimony	ppm	ASTM D5185m				0	
Vanadium	ppm	ASTM D5185m		0	0	0	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history 1	history 2	
Boron	ppm	ASTM D5185m	2	4	6	7	
Barium	ppm	ASTM D5185m	0	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	71	62	63	
Manganese	ppm	ASTM D5185m	0	<1	<1	1	
Magnesium	ppm	ASTM D5185m	950	863	891	915	
Calcium	ppm	ASTM D5185m	1050	1222	1143	1139	
Phosphorus	ppm	ASTM D5185m	995	957	889	909	
Zinc	ppm	ASTM D5185m	1180	1168	1140	1139	
Sulfur	ppm	ASTM D5185m	2600	3003	2802	2429	
CONTAMINAN	TS	method	limit/base	current	history 1	history 2	
Silicon	ppm	ASTM D5185m	>30	5	5	4	
Sodium	ppm	ASTM D5185m		0	2	2	
Potassium	ppm	ASTM D5185m	>20	20	14	5	
INFRA-RED		method	limit/base	current	history 1	history 2	
Soot %	%	*ASTM D7844	>3	1.6	1.5	1	
Nitration	Abs/cm	*ASTM D7624	>20	15.1	14.2	12.1	
Sulfation	Abs/.1mm	*ASTM D7415		27.8	27.0	23.7	
FLUID DEGRA	DATION	method	limit/base	current	history 1	history 2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.1	23.0	20.3	
Base Number (BN)	mg KOH/g	ASTM D2896		6.8	7.6		
_ acc ( tall bol ( blv)	mg nong			0.0			



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number** 

: 05893507 : 10549317

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : PCA0098990

: 10 Jul 2023 Diagnosed : 11 Jul 2023 Diagnostician : Wes Davis

Test Package : MOB 1 ( Additional Tests: TBN )

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.

**MILLER TRUCK LEASING #112** 

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)