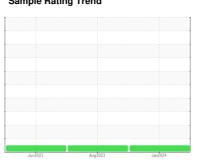


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



638675

Component **Diesel Engine** 

PETRO CANADA DURON SHP 10W30 (--- G

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Metal levels are typical for a new component breaking in.

### Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

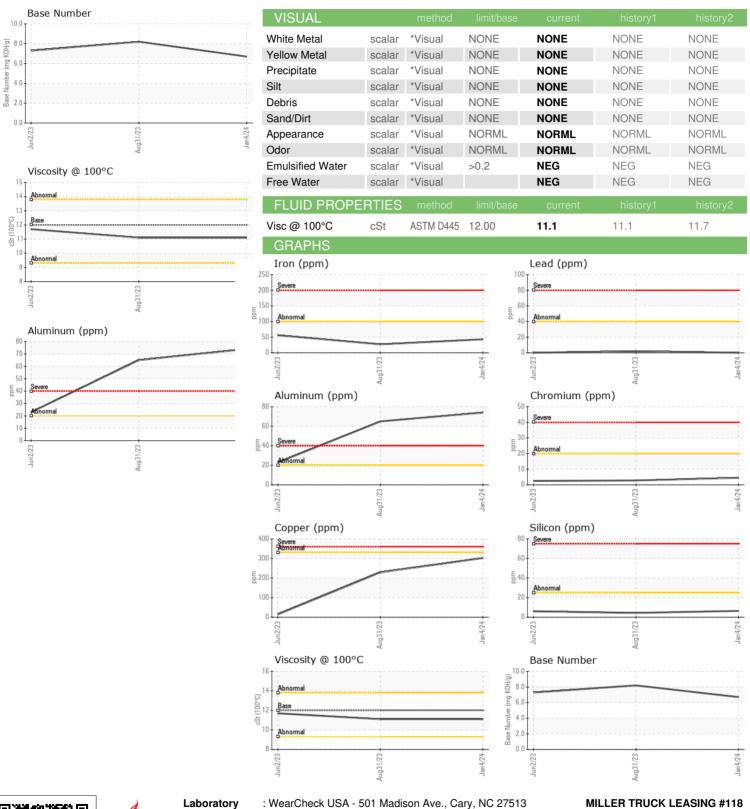
### **Fluid Condition**

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

GAL)		Jur	2023	Aug2023 Jan20	24	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0112221	PCA0105302	PCA0095808
Sample Date		Client Info		04 Jan 2024	31 Aug 2023	02 Jun 2023
Machine Age	mls	Client Info		61736	48770	35166
Oil Age	mls	Client Info		61736	13604	35166
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	43	27	56
Chromium	ppm	ASTM D5185m	>20	4	3	2
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m		74	65	23
Lead	ppm	ASTM D5185m	>40	0	2	0
Copper	ppm	ASTM D5185m		302	229	15
Tin	ppm	ASTM D5185m	>15	1	<1	1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	11	12	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	50	57	54	71
Manganese	ppm	ASTM D5185m		2	1	1
Magnesium	ppm	ASTM D5185m	950	859	846	1108
Calcium	ppm	ASTM D5185m		1193	1306	1441
Phosphorus Zinc	ppm	ASTM D5185m	995 1180	980	936	1120 1510
Sulfur	ppm	ASTM D5185m ASTM D5185m	2600	1156 2438	1176 3259	3459
CONTAMINAN	• •	method	limit/base	current	history1	history2
Silicon			>25	6	4	6
Sodium	ppm	ASTM D5185m	>25	2	3	2
Potassium	ppm	ASTM D5185m	>20	165	130	7
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1	0.6	1.2
Nitration	Abs/cm	*ASTM D7624	>20	9.3	7.3	11.0
Sulfation	Abs/.1mm	*ASTM D7415		21.3	19.5	24.7
FLUID DEGRAD	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.9	14.9	25.3
Base Number (BN)	mg KOH/g	ASTM D2896		6.7	8.2	7.3



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number

**Unique Number** 

Test Package

: PCA0112221 : 06060912 : 10832294

: 16 Jan 2024 Recieved Diagnosed : 17 Jan 2024 Diagnostician : Wes Davis

: 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.

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

**MILLER TRUCK LEASING #118** 

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