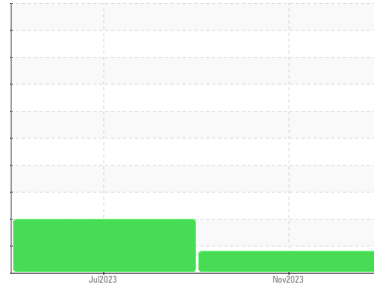


# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id  
**395331**

Component  
**Diesel Engine**

Fluid  
**PETRO CANADA DURON SHP 10W30 (--- QTS)**

**DIAGNOSIS**

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PCA0105753</b>	PCA0100882	---
Sample Date	Client Info			<b>16 Nov 2023</b>	20 Jul 2023	---
Machine Age	mls Client Info			<b>159097</b>	139685	---
Oil Age	mls Client Info			<b>19495</b>	7643	---
Oil Changed	Client Info			<b>Changed</b>	Changed	---
Sample Status				<b>ABNORMAL</b>	ABNORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<b>&lt;1.0</b>	<1.0	---
Water	WC Method	>0.2		<b>NEG</b>	NEG	---
Glycol	WC Method			<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	<b>43</b>	98	---
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	4	---
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>20	<b>▲ 22</b>	▲ 54	---
Lead	ppm	ASTM D5185m	>40	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>330	<b>0</b>	6	---
Tin	ppm	ASTM D5185m	>15	<b>0</b>	2	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	<1	---

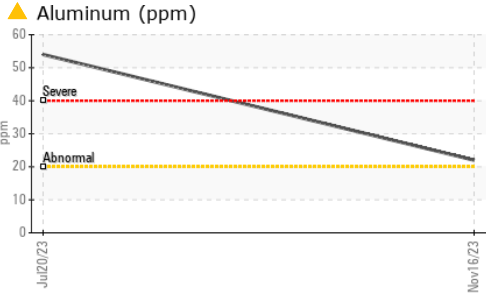
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>0</b>	6	---
Barium	ppm	ASTM D5185m	0	<b>4</b>	<1	---
Molybdenum	ppm	ASTM D5185m	50	<b>66</b>	74	---
Manganese	ppm	ASTM D5185m	0	<b>0</b>	2	---
Magnesium	ppm	ASTM D5185m	950	<b>918</b>	1022	---
Calcium	ppm	ASTM D5185m	1050	<b>1282</b>	1280	---
Phosphorus	ppm	ASTM D5185m	995	<b>1059</b>	1069	---
Zinc	ppm	ASTM D5185m	1180	<b>1285</b>	1348	---
Sulfur	ppm	ASTM D5185m	2600	<b>3532</b>	3576	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>0</b>	8	---
Sodium	ppm	ASTM D5185m		<b>0</b>	5	---
Potassium	ppm	ASTM D5185m	>20	<b>22</b>	▲ 42	---

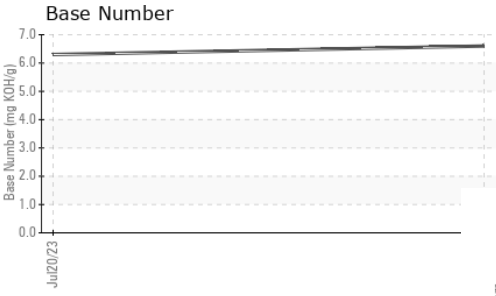
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.7</b>	1.2	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>13.2</b>	16.3	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>23.1</b>	28.5	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>21.6</b>	26.7	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>6.6</b>	6.3	---

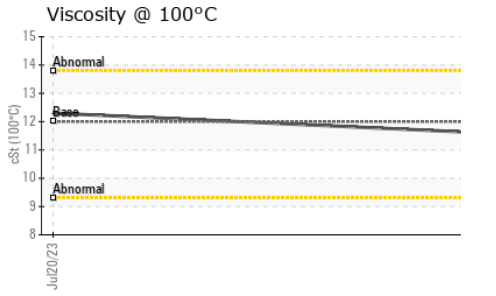
# OIL ANALYSIS REPORT



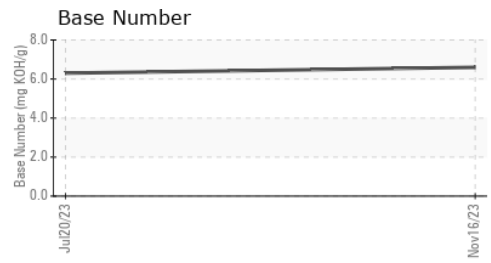
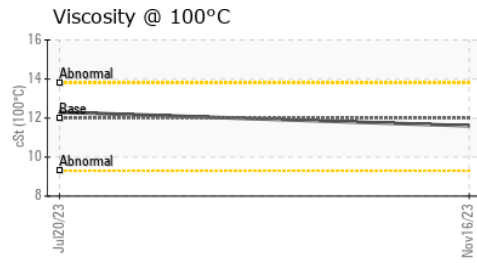
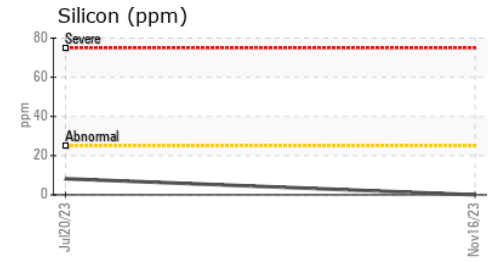
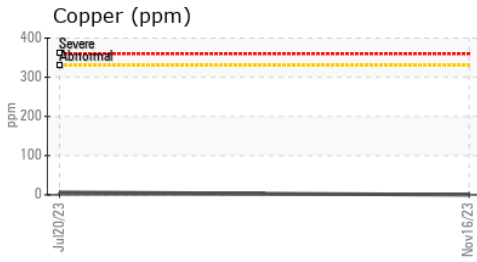
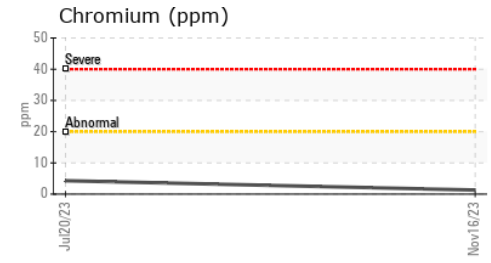
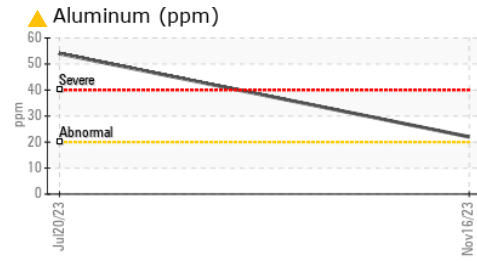
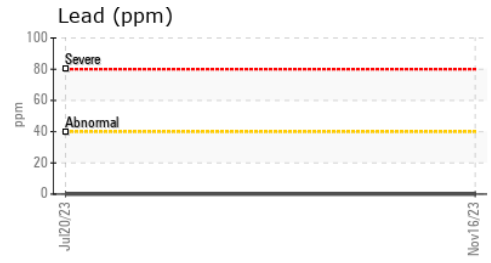
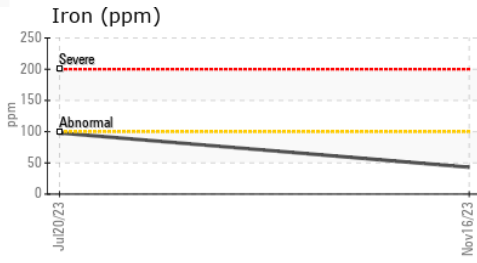
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	11.6	12.3



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0105753 **Recieved** : 02 Jan 2024  
**Lab Number** : 06048584 **Diagnosed** : 03 Jan 2024  
**Unique Number** : 10809192 **Diagnostician** : Don Baldrige  
**Test Package** : MOB 1 ( Additional Tests: TBN )

**MILLER TRUCK LEASING #114**  
 63 REPAUPO STATION ROAD  
 LOGAN TOWNSHIP, NJ  
 US 08085  
 Contact: ED DAVIS  
 edavis@millertransgroup.com  
 T: (856)214-3521  
 F: (856)214-3663

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)