



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**724576**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (--- GAL)**

**RECOMMENDATION**

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0116607</b>	PCA0099261	PCA0075344
Sample Date		Client Info		<b>18 Apr 2024</b>	14 Aug 2023	11 Aug 2022
Machine Age	mls	Client Info		<b>249410</b>	170623	60603
Oil Age	mls	Client Info		<b>0</b>	0	60603
Filter Age	mls	Client Info		<b>0</b>	0	60603
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	ATTENTION

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>31</b>	30	83
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	2	4
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>20	<b>8</b>	10	41
Lead	ppm	ASTM D5185m	>40	<b>0</b>	0	1
Copper	ppm	ASTM D5185m	>330	<b>13</b>	38	96
Tin	ppm	ASTM D5185m	>15	<b>0</b>	<1	3
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

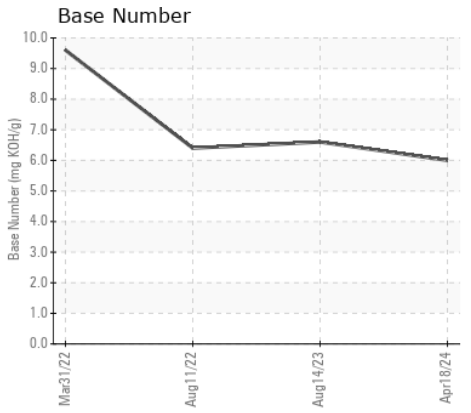
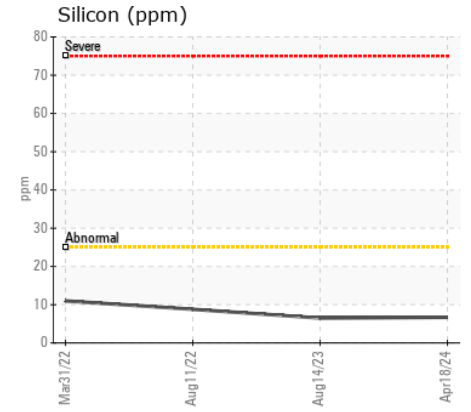
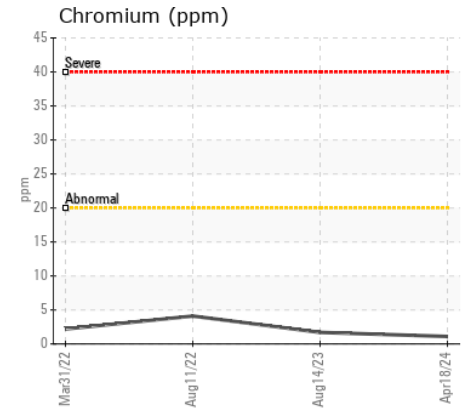
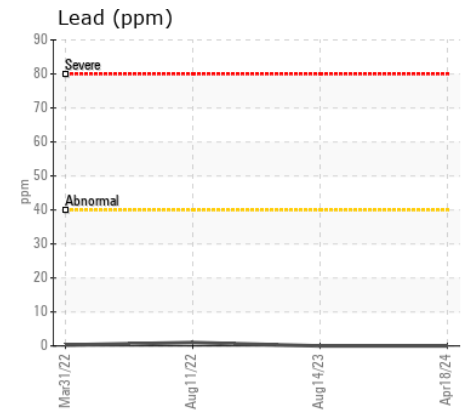
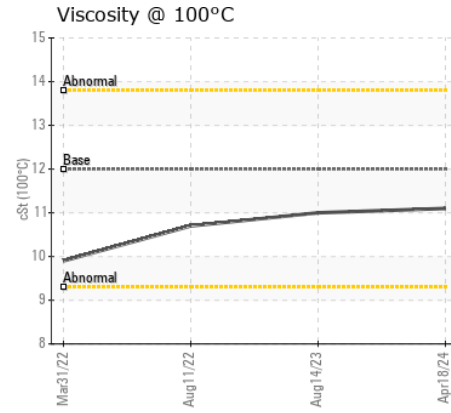
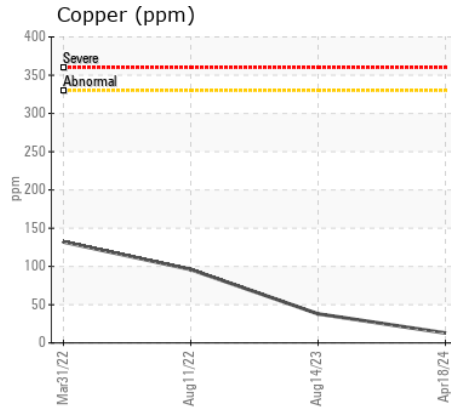
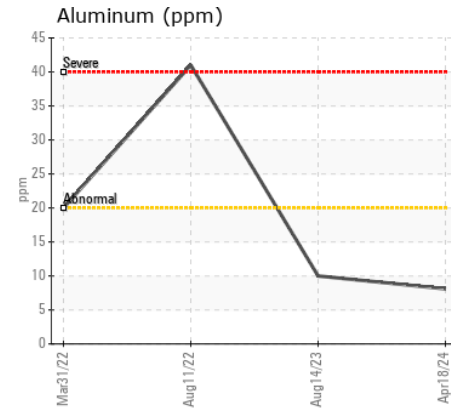
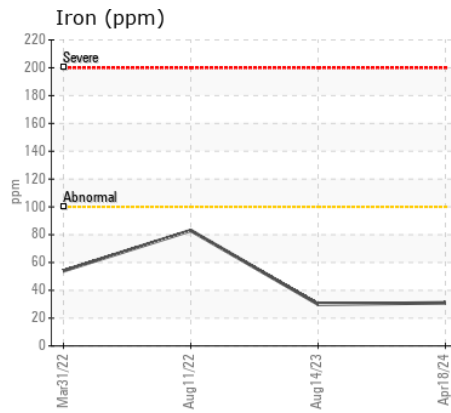
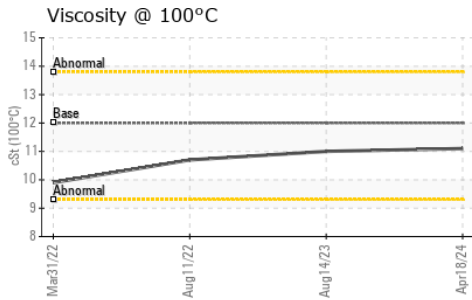
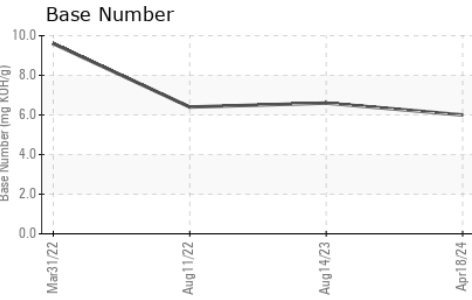
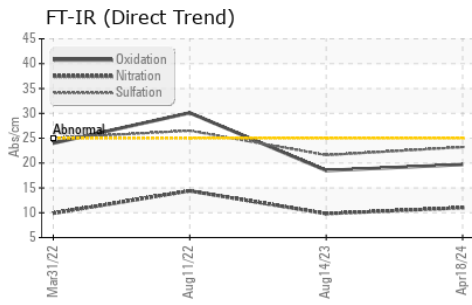
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>7</b>	6	9
Potassium	ppm	ASTM D5185m	>20	<b>8</b>	16	102
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>1.3</b>	0.9	1.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>11.0</b>	9.8	14.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>23.2</b>	21.6	26.5
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

**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.

Sodium	ppm	ASTM D5185m		<b>4</b>	4	7
Boron	ppm	ASTM D5185m	2	<b>8</b>	13	23
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	1
Molybdenum	ppm	ASTM D5185m	50	<b>68</b>	77	42
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	3
Magnesium	ppm	ASTM D5185m	950	<b>933</b>	1005	523
Calcium	ppm	ASTM D5185m	1050	<b>1161</b>	1253	1623
Phosphorus	ppm	ASTM D5185m	995	<b>1064</b>	1074	651
Zinc	ppm	ASTM D5185m	1180	<b>1285</b>	1320	855
Sulfur	ppm	ASTM D5185m	2600	<b>2779</b>	2872	1677
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>19.7</b>	18.5	30.1
Base Number (BN)	mg KOH/g	ASTM D2896		<b>6.0</b>	6.6	6.4
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.1</b>	11.0	10.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0116607 **Received** : 22 May 2024  
**Lab Number** : 06187278 **Tested** : 23 May 2024  
**Unique Number** : 11044030 **Diagnosed** : 23 May 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: TBN )

**MILLER TRUCK LEASING #115**  
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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)