



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

Area  
**(P172519) 600HP**  
Machine Id  
**530730 [600HP]**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA06060608</b>	PCA0073096	PCA0055695
Sample Date		Client Info		<b>14 Dec 2023</b>	24 Jan 2023	12 Nov 2021
Machine Age	hrs	Client Info		<b>46117</b>	43696	40642
Oil Age	hrs	Client Info		<b>0</b>	3000	3829
Filter Age	hrs	Client Info		<b>0</b>	3000	3829
Oil Changed		Client Info		<b>N/A</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>15</b>	18	21
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>20	<b>2</b>	4	2
Lead	ppm	ASTM D5185m	>40	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>330	<b>2</b>	<1	<1
Tin	ppm	ASTM D5185m	>15	<b>0</b>	<1	0
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**

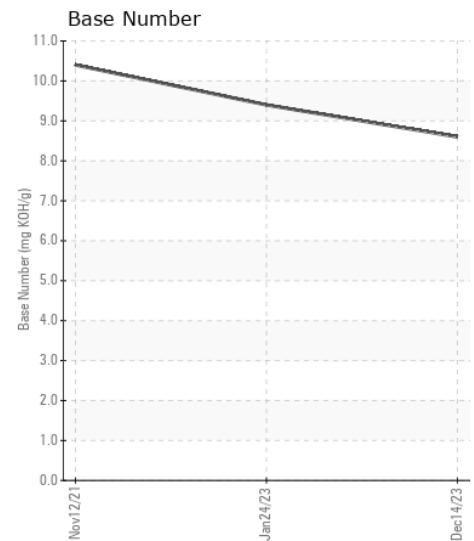
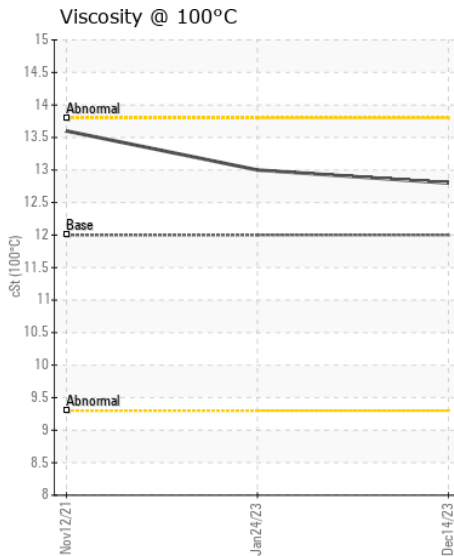
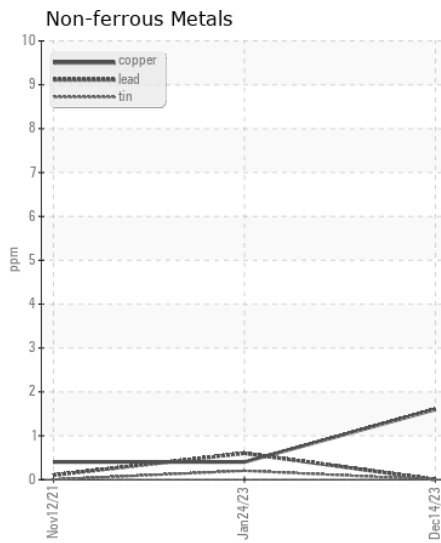
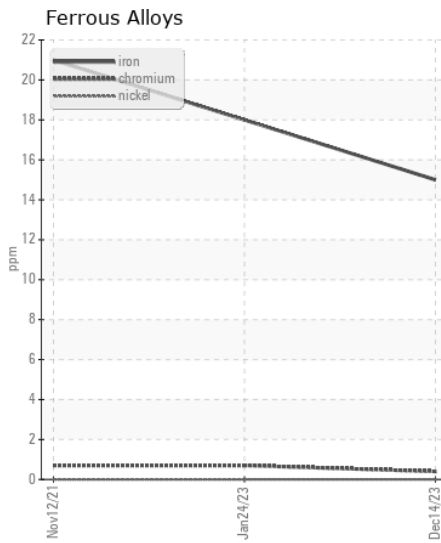
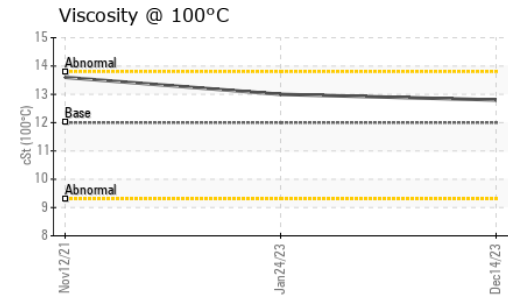
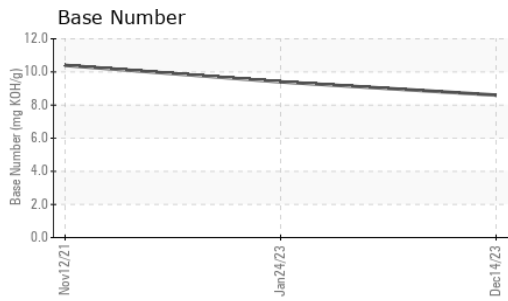
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>3</b>	3	4
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	5
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>1.2</b>	1.1	1.7
Nitration	Abs/cm	*ASTM D7624	>20	<b>11.0</b>	12.0	12.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>23.0</b>	23.8	26
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>	5	16
Boron	ppm	ASTM D5185m	2	<b>13</b>	1	76
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>62</b>	68	72
Manganese	ppm	ASTM D5185m	0	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	950	<b>994</b>	1022	899
Calcium	ppm	ASTM D5185m	1050	<b>1068</b>	1193	1430
Phosphorus	ppm	ASTM D5185m	995	<b>1048</b>	1080	1161
Zinc	ppm	ASTM D5185m	1180	<b>1324</b>	1424	1236
Sulfur	ppm	ASTM D5185m	2600	<b>2929</b>	3665	2665
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>21.1</b>	22.8	23.5
Base Number (BN)	mg KOH/g	ASTM D2896		<b>8.6</b>	9.4	10.4
Visc @ 100°C	cSt	ASTM D445	12.00	<b>12.8</b>	13.0	13.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA06060608 **Received** : 16 Jan 2024  
**Lab Number** : 06060608 **Diagnosed** : 16 Jan 2024  
**Unique Number** : 10831990 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**McLane Company - High Plains - 600HP**  
 1717 East Loop 289  
 LUBBOCK, TX  
 US 79403  
 Contact: RITA GARCIA  
 rita.garcia@mcclaneco.com  
 T: (806)766-2902  
 F:

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)