



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**KEMP QUARRIES / PRYOR STONE [67686]**

Machine Id  
**CRN006**

Component  
**Rear Diesel Engine**

Fluid  
**PETRO CANADA DURON HP 15W40 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. ( Customer Sample Comment: Pm1 performed. Engine oil samples taken. Engine oil, and all filters changed. )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0086290</b>	PCA20199059	---
Sample Date		Client Info		<b>29 Feb 2024</b>	08 Nov 2016	---
Machine Age	hrs	Client Info		<b>1894</b>	300	---
Oil Age	hrs	Client Info		<b>0</b>	300	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	N/A	---
Filter Changed		Client Info		<b>Changed</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>10</b>	8	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>20	<b>2</b>	1	---
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>330	<b>4</b>	1	---
Tin	ppm	ASTM D5185m	>15	<b>2</b>	1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

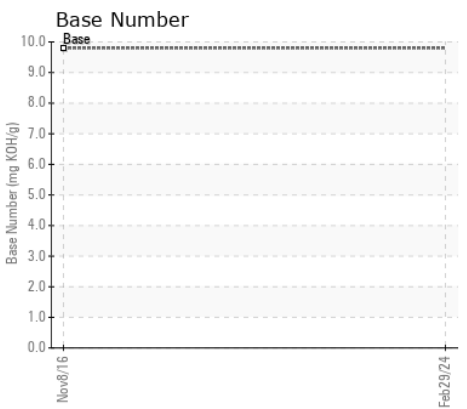
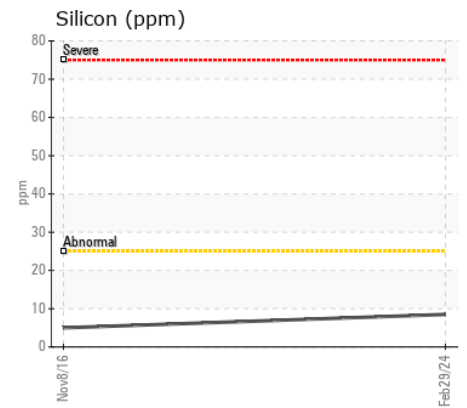
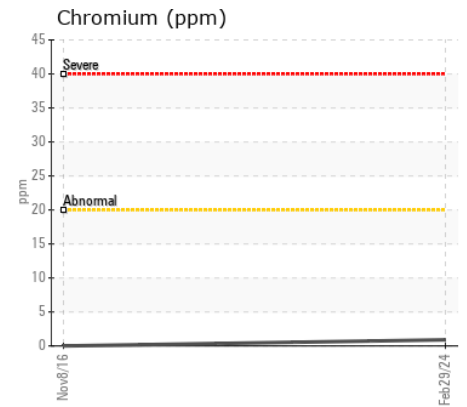
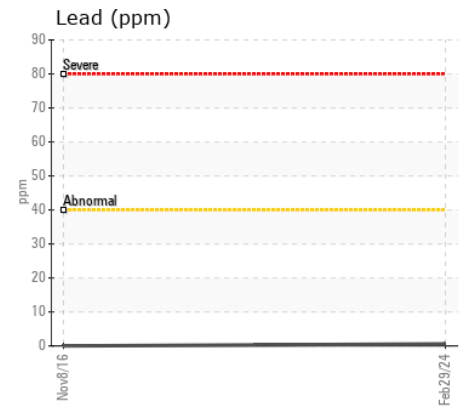
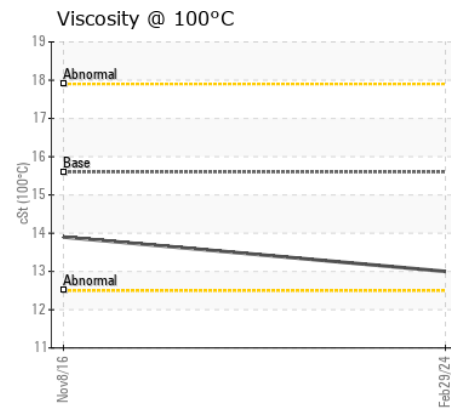
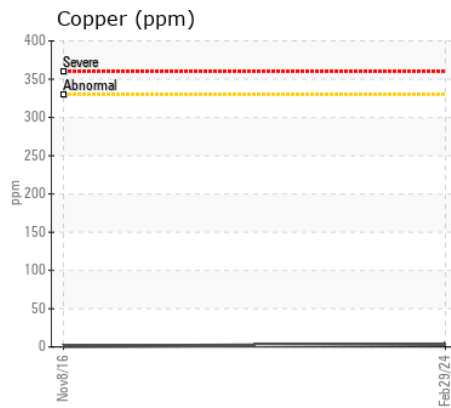
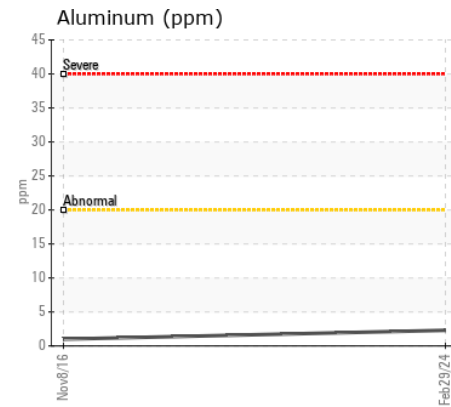
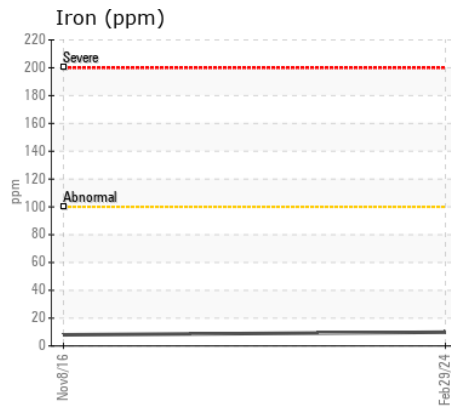
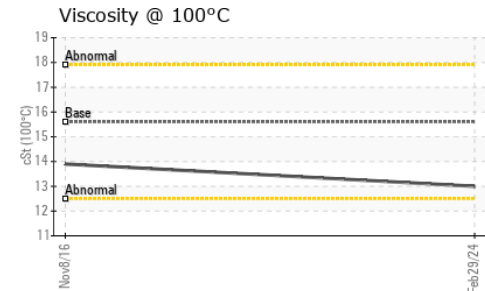
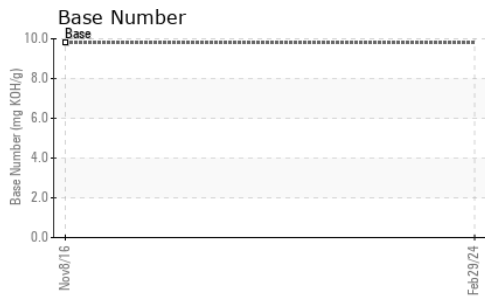
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	5	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---
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>	0.0	---
Soot %	%	*ASTM D7844	>3	<b>0.1</b>	0.06	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>5.6</b>	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>17.5</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	---	---

**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>3</b>	5	---
Boron	ppm	ASTM D5185m		<b>17</b>	54	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>52</b>	45	---
Manganese	ppm	ASTM D5185m		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>831</b>	804	---
Calcium	ppm	ASTM D5185m		<b>1476</b>	1305	---
Phosphorus	ppm	ASTM D5185m		<b>1112</b>	983	---
Zinc	ppm	ASTM D5185m		<b>1268</b>	1056	---
Sulfur	ppm	ASTM D5185m		<b>3881</b>	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>13.4</b>	0	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	<b>9.1</b>	---	---
Visc @ 100°C	cSt	ASTM D445	15.6	<b>13.0</b>	13.9	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0086290 **Received** : 18 Mar 2024  
**Lab Number** : 06121439 **Tested** : 19 Mar 2024  
**Unique Number** : 10930272 **Diagnosed** : 20 Mar 2024 - Don Baldrige  
**Test Package** : MOB 1 ( Additional Tests: TBN )

**Kemp Quarries - Pryor Stone - Pryor**  
 1050 E 520 Rd  
 Pryor, OK  
 US 74361  
 Contact:  
 pryor@pryorstone.com

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)

T:  
F: