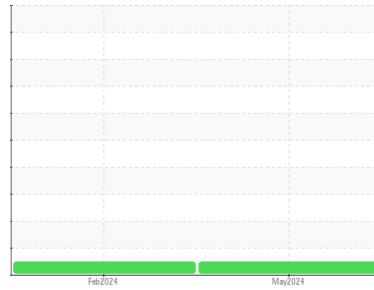


# OIL ANALYSIS REPORT

**Sample Rating Trend**

**NORMAL**


Area  
**(P1184217) Preferred Service-Tractor**  
 Machine Id  
**[Preferred Service-Tractor] 192A32029B**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON UHP 5W30 (36 QTS)**

**DIAGNOSIS**
**Recommendation**

Resample at the next service interval to monitor. ( Customer Sample Comment: Top Up Amount: 4 QTS )

**Wear**

All component wear rates are normal.

**Contamination**

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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PCA0126929</b>	PCA0116698	---
Sample Date	Client Info			<b>30 May 2024</b>	02 Feb 2024	---
Machine Age	mls	Client Info		<b>64673</b>	47924	---
Oil Age	mls	Client Info		<b>64673</b>	31454	---
Oil Changed	Client Info			<b>Oil Added</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>6.0	<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>28</b>	58	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	---
Nickel	ppm	ASTM D5185m	>2	<b>1</b>	1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185m	>25	<b>5</b>	14	---
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	1	---
Copper	ppm	ASTM D5185m	>330	<b>28</b>	117	---
Tin	ppm	ASTM D5185m	>15	<b>2</b>	4	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

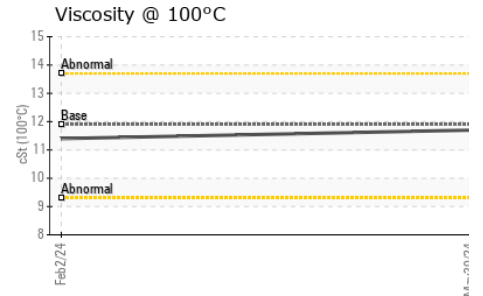
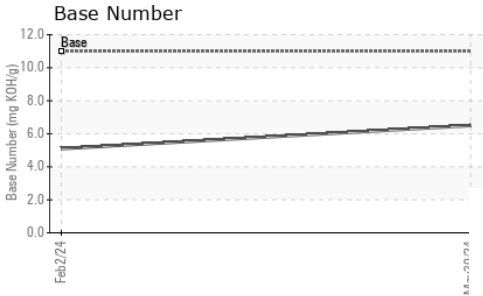
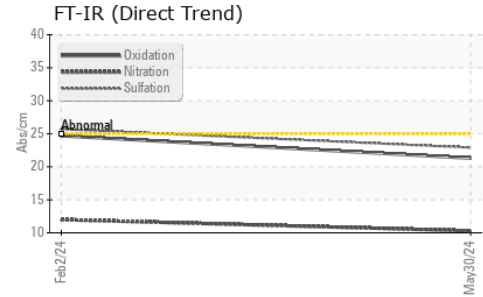
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<b>20</b>	14	---
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185m	64	<b>57</b>	64	---
Manganese	ppm	ASTM D5185m	0	<b>1</b>	2	---
Magnesium	ppm	ASTM D5185m	1160	<b>1069</b>	1075	---
Calcium	ppm	ASTM D5185m	820	<b>825</b>	896	---
Phosphorus	ppm	ASTM D5185m	1160	<b>1016</b>	932	---
Zinc	ppm	ASTM D5185m	1260	<b>1217</b>	1208	---
Sulfur	ppm	ASTM D5185m	3000	<b>3491</b>	2844	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>7</b>	15	---
Sodium	ppm	ASTM D5185m		<b>5</b>	5	---
Potassium	ppm	ASTM D5185m	>20	<b>13</b>	47	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.7</b>	1	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.3</b>	12.0	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.9</b>	25.7	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>21.3</b>	24.7	---
Base Number (BN)	mg KOH/g	ASTM D2896	11.0	<b>6.5</b>	5.1	---

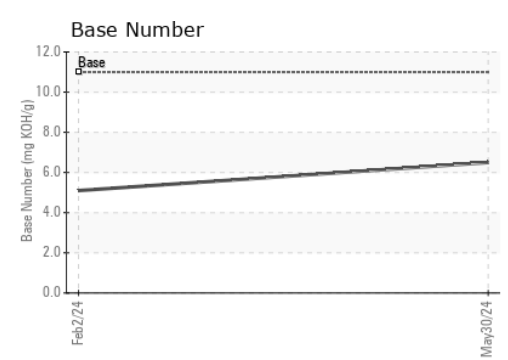
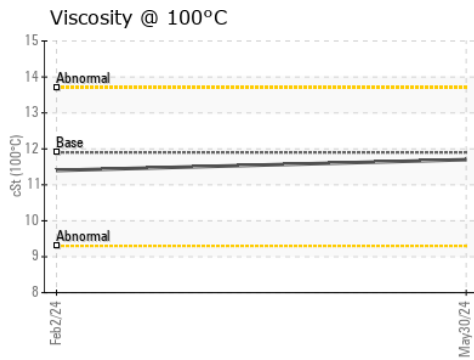
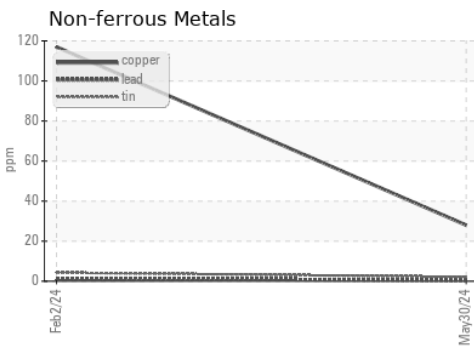
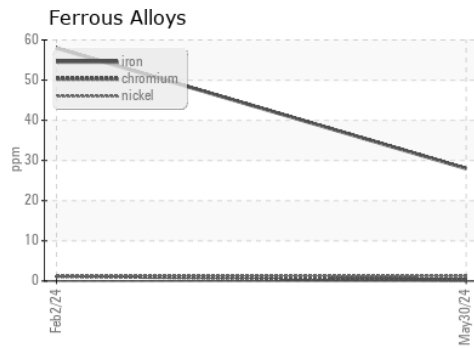
# OIL ANALYSIS REPORT



PARAMETER	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	11.9	11.7	11.4

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0126929      **Received** : 06 Jun 2024  
**Lab Number** : **06201141**      **Tested** : 07 Jun 2024  
**Unique Number** : 11063264      **Diagnosed** : 09 Jun 2024 - Don Baldrige  
**Test Package** : FLEET

**Transervice - Shop 1920 - Preferred Service**  
 1955 W. North Avenue, Bldg K  
 Melrose Park, IL  
 US 60160  
 Contact: Tom Lindeman  
 tlindemann@transervice.com  
 T: (630)376-8946  
 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)