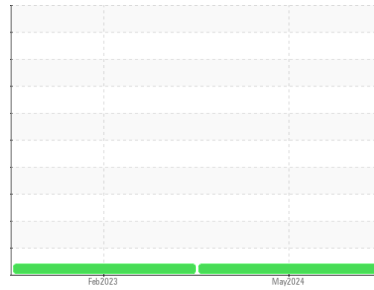




# OIL ANALYSIS REPORT

## Sample Rating Trend



## VISCOSITY



Area  
 (944-378) Walgreens - Tractor  
 Machine Id  
**[Walgreens - Tractor] 136G41500**  
 Component  
**Gasoline Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (--- QTS)**

### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC06194854</b>	PCA0091794	---
Sample Date	Client Info			<b>29 May 2024</b>	14 Feb 2023	---
Machine Age	mls	Client Info		<b>0</b>	82855	---
Oil Age	mls	Client Info		<b>0</b>	1818	---
Oil Changed	Client Info			<b>N/A</b>	Changed	---
Sample Status				<b>ATTENTION</b>	ATTENTION	---

CONTAMINATION		method	limit/base	current	history1	history2
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	>150	<b>6</b>	5	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>3</b>	1	---
Lead	ppm	ASTM D5185m	>50	<b>2</b>	0	---
Copper	ppm	ASTM D5185m	>155	<b>7</b>	9	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>24</b>	82	---
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	---
Molybdenum	ppm	ASTM D5185m	50	<b>224</b>	37	---
Manganese	ppm	ASTM D5185m	0	<b>1</b>	1	---
Magnesium	ppm	ASTM D5185m	950	<b>466</b>	319	---
Calcium	ppm	ASTM D5185m	1050	<b>1373</b>	1071	---
Phosphorus	ppm	ASTM D5185m	995	<b>662</b>	547	---
Zinc	ppm	ASTM D5185m	1180	<b>777</b>	678	---
Sulfur	ppm	ASTM D5185m	2600	<b>2377</b>	2539	---

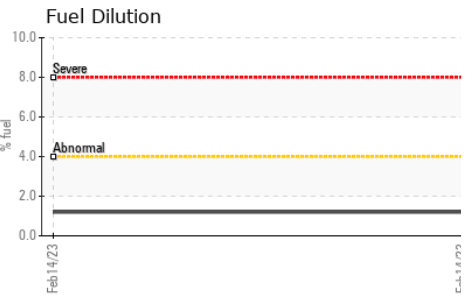
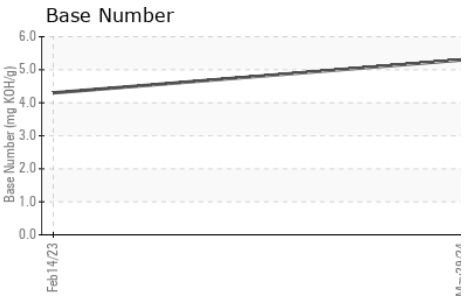
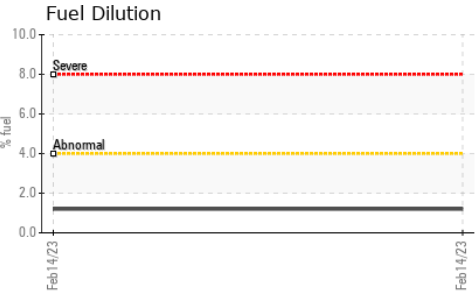
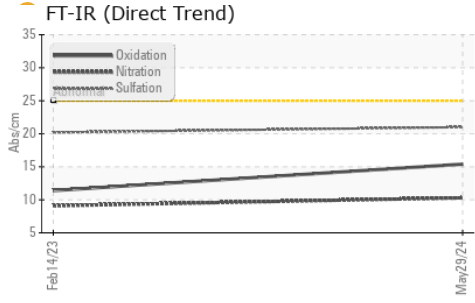
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	<b>17</b>	8	---
Sodium	ppm	ASTM D5185m	>400	<b>2</b>	2	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	2	---
Fuel	%	ASTM D3524	>4.0	<b>&lt;1.0</b>	1.2	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		<b>0</b>	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.3</b>	9.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.0</b>	20.2	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.4</b>	11.4	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>5.3</b>	4.3	---



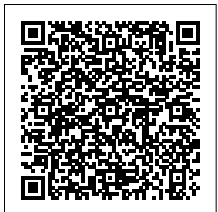
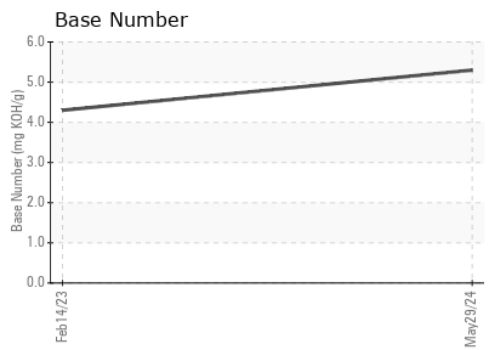
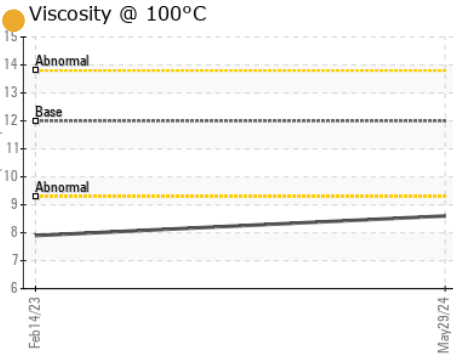
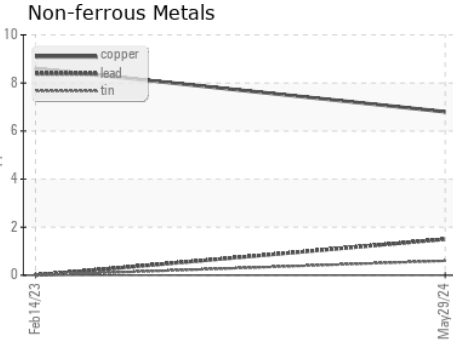
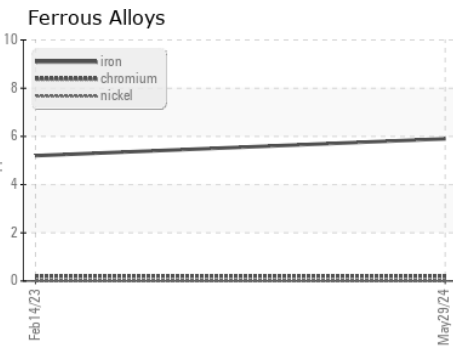
# OIL ANALYSIS REPORT



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	● 8.6	● 7.9

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC06194854      **Received** : 29 May 2024  
**Lab Number** : 06194854      **Tested** : 31 May 2024  
**Unique Number** : 11056977      **Diagnosed** : 31 May 2024 - Jonathan Hester  
**Test Package** : FLEET ( Additional Tests: FuelDilution, PercentFuel )

**Transervice - Shop 1368 - Berkeley-Cataño**  
 Calle Abeto 45, Reparto Solano  
 Caguas, PR  
 US 00725  
 Contact: Carlos Kercado  
 ckercado@transervice.com  
 T: (787)946-3435  
 F: (787)946-3434

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)