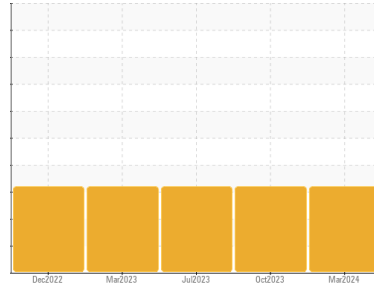


# OIL ANALYSIS REPORT

## Sample Rating Trend



## VISCOSITY



Machine Id  
**DT852**  
 Component  
**Transmission (Auto)**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (--- QTS)**

### DIAGNOSIS

- Recommendation**  
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 fluid.
- Fluid Condition**  
The fluid viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0111591</b>	PCA0101814	PCA0095264
Sample Date	Client Info		<b>01 Mar 2024</b>	25 Oct 2023	05 Jul 2023
Machine Age	mls	Client Info	<b>25000</b>	25000	25000
Oil Age	mls	Client Info	<b>25000</b>	25000	25000
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ATTENTION</b>	ATTENTION	ATTENTION

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >160	<b>40</b>	44	71
Chromium	ppm	ASTM D5185m >5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m >5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>0</b>	0	<1
Silver	ppm	ASTM D5185m >5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >50	<b>11</b>	13	15
Lead	ppm	ASTM D5185m >50	<b>24</b>	18	9
Copper	ppm	ASTM D5185m >225	<b>9</b>	12	11
Tin	ppm	ASTM D5185m >10	<b>2</b>	1	2
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	<b>97</b>	105	111
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 50	<b>3</b>	5	1
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	2	2
Magnesium	ppm	ASTM D5185m 950	<b>18</b>	13	0
Calcium	ppm	ASTM D5185m 1050	<b>175</b>	230	68
Phosphorus	ppm	ASTM D5185m 995	<b>301</b>	329	272
Zinc	ppm	ASTM D5185m 1180	<b>64</b>	99	1
Sulfur	ppm	ASTM D5185m 2600	<b>1709</b>	1672	1395

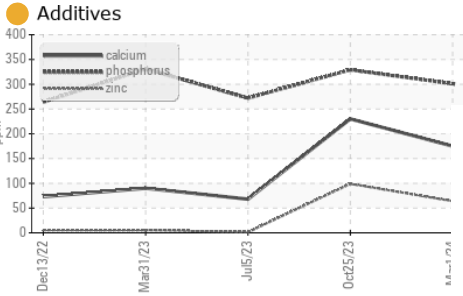
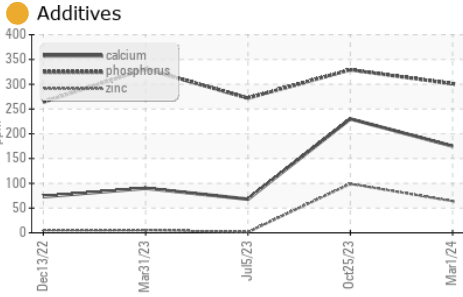
### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>3</b>	4	4
Sodium	ppm	ASTM D5185m	<b>4</b>	4	6
Potassium	ppm	ASTM D5185m >20	<b>0</b>	<1	2

### VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
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 >0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT

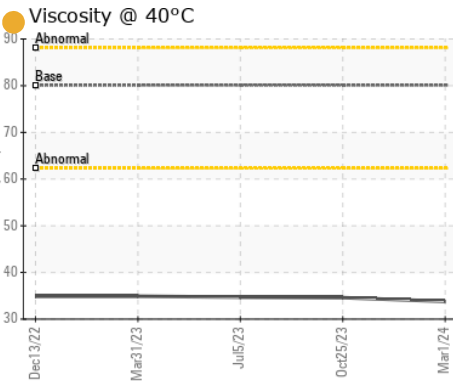
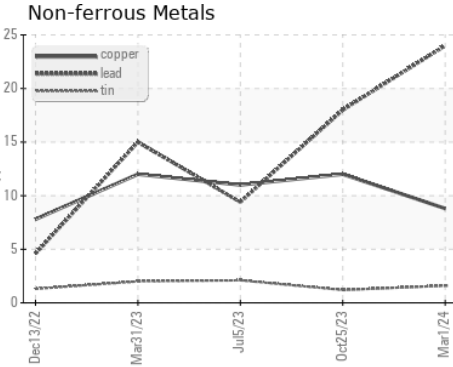
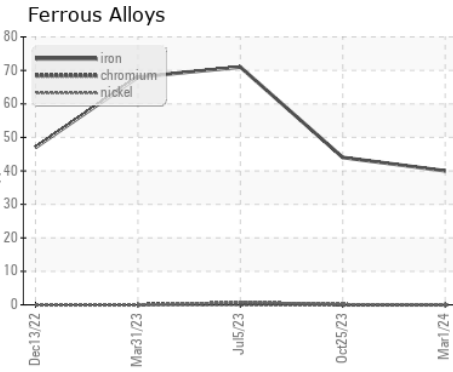


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	80.1 <span style="color: orange;">●</span> <b>33.8</b>	34.6	34.7

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image	no image
Bottom				no image	no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0111591      **Received** : 06 Mar 2024  
**Lab Number** : 06110546      **Tested** : 07 Mar 2024  
**Unique Number** : 10914043      **Diagnosed** : 08 Mar 2024 - Don Baldrige  
**Test Package** : FLEET

**NW WHITE & CO - BEAUFORT DIVISION**  
 1491 YENMASSEE HIGHWAY  
 VARNVILLE, SC  
 US 29944  
 Contact: DAVID WEBB  
 63DAVIDWDAVID@GMAIL.COM  
 T: (864)973-1607  
 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)