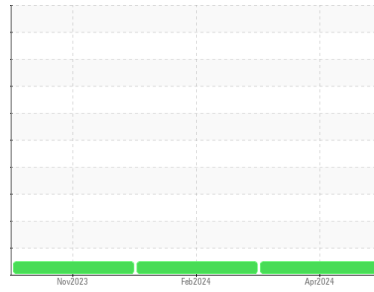


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(P1021268) Dixon Transport-Tractor**  
 Machine Id  
**[Dixon Transport-Tractor] 325A325529**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (11 GAL)**

### 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 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>PCA0121204</b>	PCA0114337	PCA0109484
Sample Date	Client Info		<b>12 Apr 2024</b>	01 Feb 2024	10 Nov 2023
Machine Age	mls	Client Info	<b>518387</b>	493732	468899
Oil Age	mls	Client Info	<b>24655</b>	43325	18492
Oil Changed	Client Info		<b>Not Changed</b>	Changed	Not Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

### CONTAMINATION

	method	limit/base	current	history1	history2
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

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >80	<b>30</b>	42	18
Chromium	ppm	ASTM D5185m >5	<b>4</b>	5	3
Nickel	ppm	ASTM D5185m >2	<b>&lt;1</b>	3	2
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >30	<b>11</b>	17	6
Lead	ppm	ASTM D5185m >30	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m >150	<b>4</b>	5	4
Tin	ppm	ASTM D5185m >5	<b>&lt;1</b>	1	<1
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	<1

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	<b>2</b>	0	0
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	9
Molybdenum	ppm	ASTM D5185m 50	<b>57</b>	66	64
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 950	<b>918</b>	1046	957
Calcium	ppm	ASTM D5185m 1050	<b>1040</b>	1159	1140
Phosphorus	ppm	ASTM D5185m 995	<b>912</b>	1077	1011
Zinc	ppm	ASTM D5185m 1180	<b>1111</b>	1332	1247
Sulfur	ppm	ASTM D5185m 2600	<b>2902</b>	2698	3217

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>5</b>	6	5
Sodium	ppm	ASTM D5185m	<b>2</b>	3	0
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	1	3

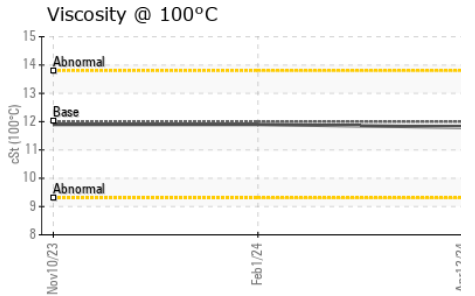
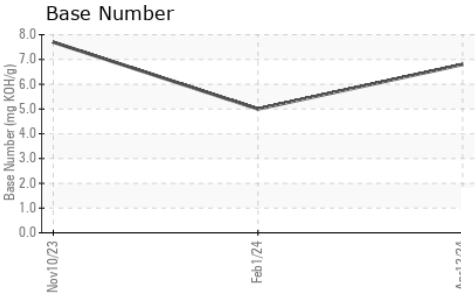
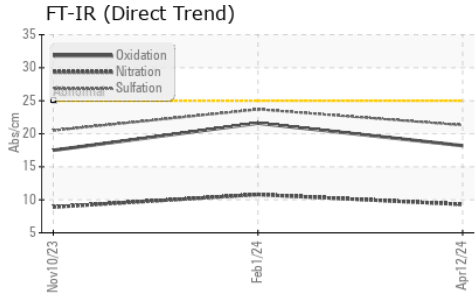
### INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.5</b>	0.7	0.4
Nitration	Abs/cm	*ASTM D7624 >20	<b>9.3</b>	10.8	8.9
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>21.3</b>	23.7	20.5

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>18.2</b>	21.6	17.5
Base Number (BN)	mg KOH/g	ASTM D2896	<b>6.8</b>	5.0	7.7

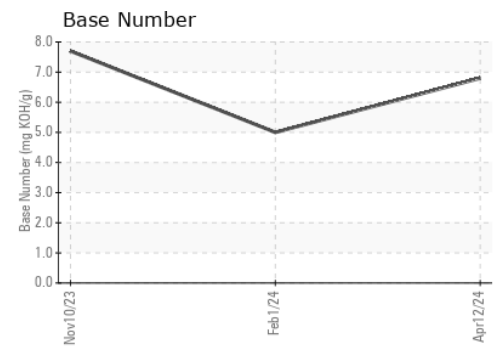
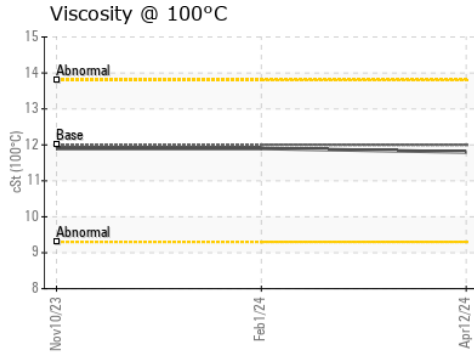
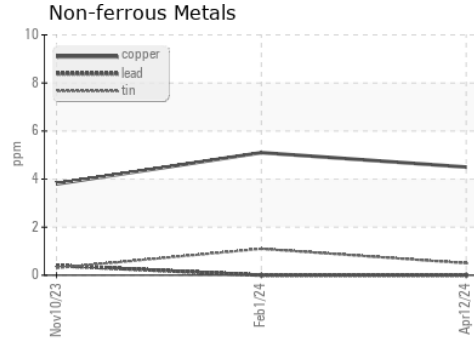
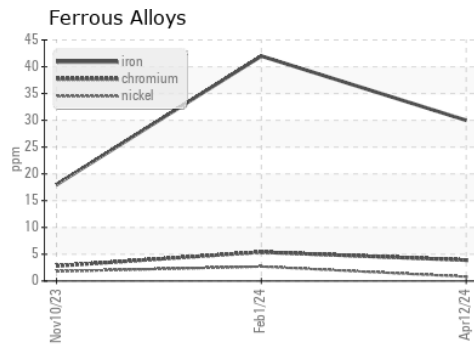
# OIL ANALYSIS REPORT



PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	11.8	11.9

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0121204      **Received** : 22 Apr 2024  
**Lab Number** : 06155574      **Tested** : 23 Apr 2024  
**Unique Number** : 10990997      **Diagnosed** : 23 Apr 2024 - Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 3250 - Dixon Transport**  
 1124 E. River Road  
 Dixon, IL  
 US 61021  
 Contact: Mike Shoemaker  
 Shop3250@transervice.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)