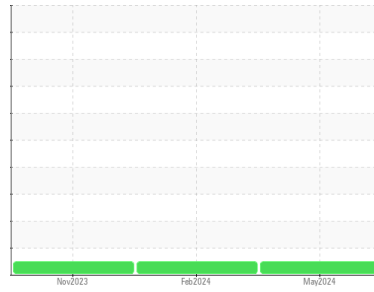


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(P1021291) Dixon Transport-Tractor**  
 Machine Id  
**[Dixon Transport-Tractor] 325A325552**  
 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>PCA0121225</b>	PCA0114342	PCA0109474
Sample Date	Client Info			<b>03 May 2024</b>	10 Feb 2024	21 Nov 2023
Machine Age	mls Client Info			<b>508076</b>	489248	464428
Oil Age	mls Client Info			<b>18828</b>	43390	20570
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>13</b>	32	19
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	3	2
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>5</b>	15	6
Lead	ppm	ASTM D5185m	>30	<b>0</b>	1	0
Copper	ppm	ASTM D5185m	>150	<b>9</b>	4	9
Tin	ppm	ASTM D5185m	>5	<b>1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

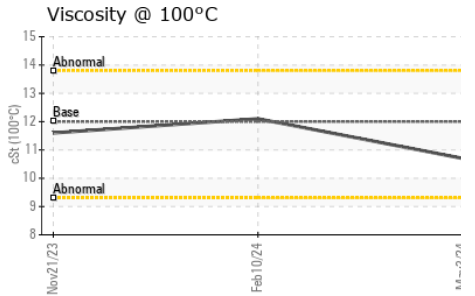
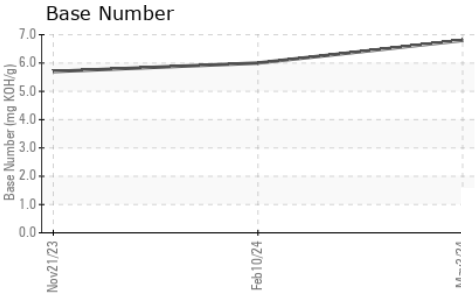
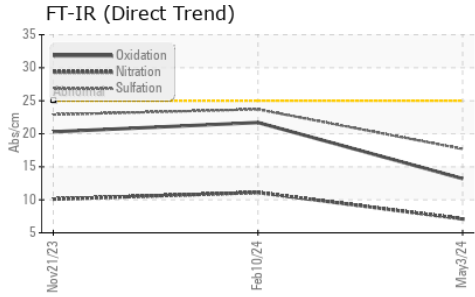
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>36</b>	0	1
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>70</b>	63	55
Manganese	ppm	ASTM D5185m	0	<b>4</b>	<1	<1
Magnesium	ppm	ASTM D5185m	950	<b>330</b>	1047	959
Calcium	ppm	ASTM D5185m	1050	<b>1681</b>	1201	1155
Phosphorus	ppm	ASTM D5185m	995	<b>972</b>	1127	1053
Zinc	ppm	ASTM D5185m	1180	<b>1081</b>	1364	1230
Sulfur	ppm	ASTM D5185m	2600	<b>3686</b>	2698	2461

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>6</b>	7	6
Sodium	ppm	ASTM D5185m		<b>8</b>	3	3
Potassium	ppm	ASTM D5185m	>20	<b>34</b>	2	3

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.2</b>	0.7	0.6
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.1</b>	11.1	10.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>17.7</b>	23.7	22.9

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>13.2</b>	21.7	20.3
Base Number (BN)	mg KOH/g	ASTM D2896		<b>6.8</b>	6.0	5.7

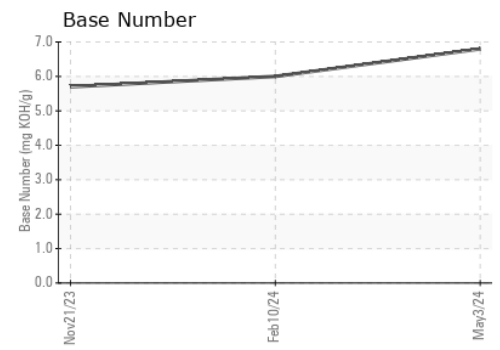
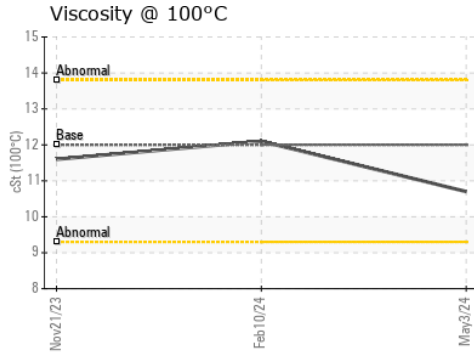
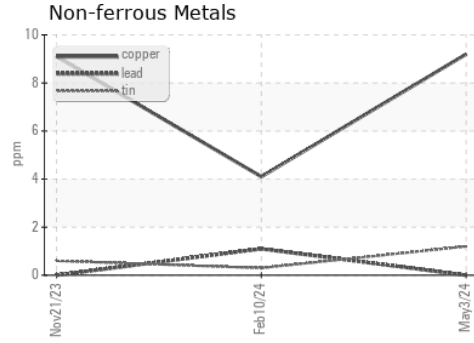
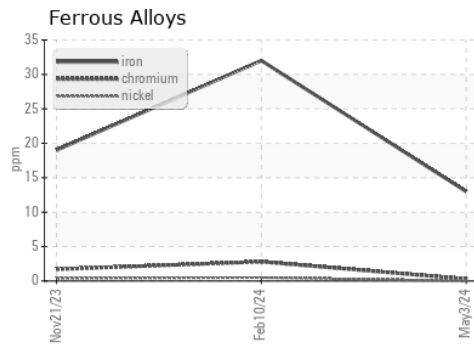
# OIL ANALYSIS REPORT



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	10.7	12.1

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0121225      **Received** : 31 May 2024  
**Lab Number** : 06196224      **Tested** : 03 Jun 2024  
**Unique Number** : 11058347      **Diagnosed** : 03 Jun 2024 - Don Baldrige  
**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)

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F: