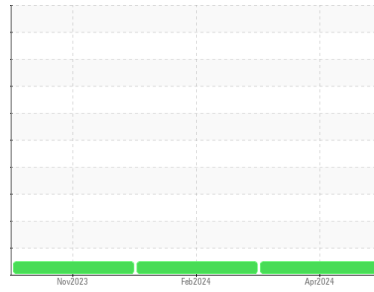


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(P1021279) Dixon Transport-Tractor**  
 Machine Id  
**[Dixon Transport-Tractor] 325A325540**  
 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>PCA0121207</b>	PCA0114346	PCA0109477
Sample Date	Client Info			<b>18 Apr 2024</b>	16 Feb 2024	16 Nov 2023
Machine Age	mls Client Info			<b>475831</b>	460226	440819
Oil Age	mls Client Info			<b>35012</b>	19407	35092
Oil Changed	Client Info			<b>Changed</b>	Not Changd	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>29</b>	12	18
Chromium	ppm	ASTM D5185m	>5	<b>4</b>	3	3
Nickel	ppm	ASTM D5185m	>2	<b>2</b>	2	1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>11</b>	8	4
Lead	ppm	ASTM D5185m	>30	<b>0</b>	1	0
Copper	ppm	ASTM D5185m	>150	<b>7</b>	4	6
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

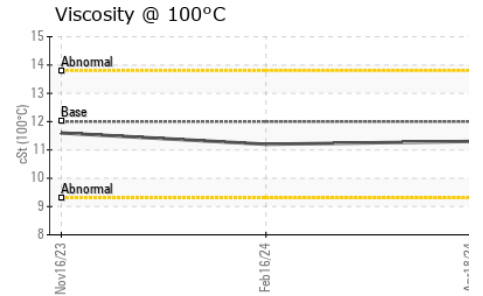
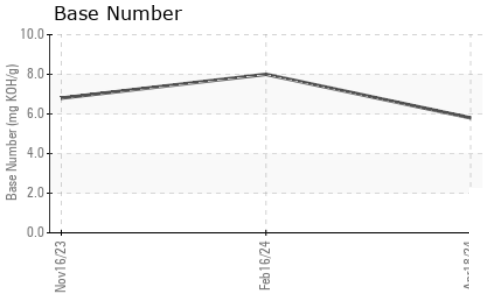
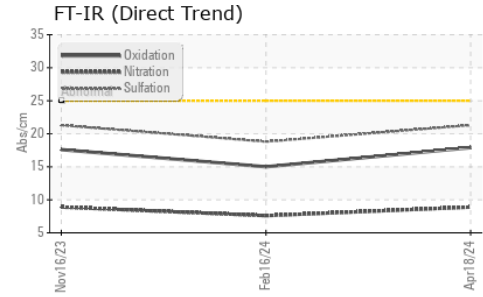
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>4</b>	8	2
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>62</b>	60	52
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m	950	<b>996</b>	1010	920
Calcium	ppm	ASTM D5185m	1050	<b>1128</b>	1131	1118
Phosphorus	ppm	ASTM D5185m	995	<b>1018</b>	1043	1038
Zinc	ppm	ASTM D5185m	1180	<b>1251</b>	1275	1212
Sulfur	ppm	ASTM D5185m	2600	<b>3095</b>	2900	2526

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>5</b>	4	4
Sodium	ppm	ASTM D5185m		<b>2</b>	2	1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	0

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.6</b>	0.3	0.5
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.9</b>	7.6	8.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.3</b>	18.8	21.3

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.9</b>	15.0	17.6
Base Number (BN)	mg KOH/g	ASTM D2896		<b>5.8</b>	8.0	6.8

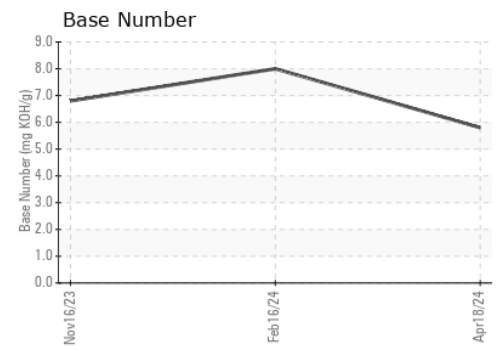
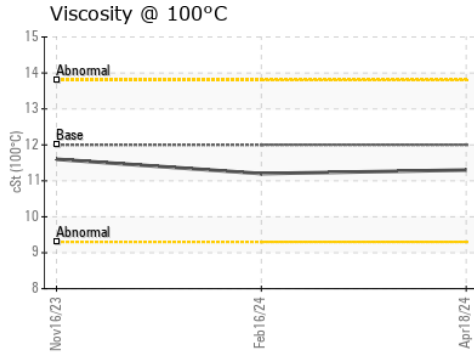
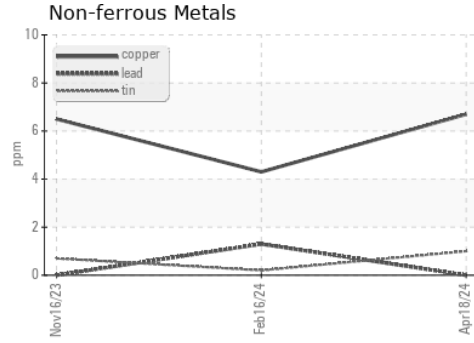
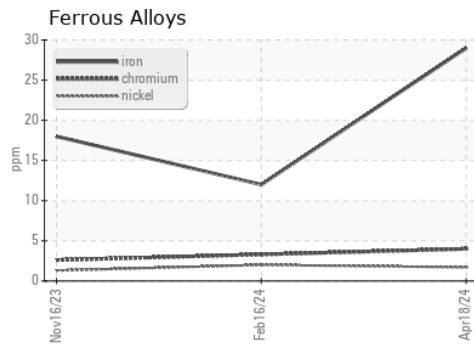
# OIL ANALYSIS REPORT



VISUAL	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	11.3	11.2

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0121207      **Received** : 26 Apr 2024  
**Lab Number** : 06161163      **Tested** : 26 Apr 2024  
**Unique Number** : 10996586      **Diagnosed** : 26 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)