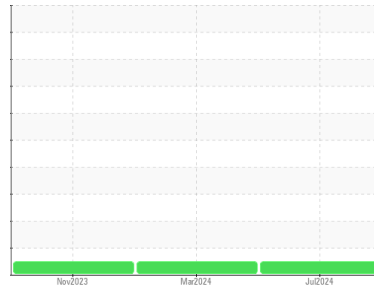


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(P922182) Preferred Service-Tractor**  
 Machine ID  
**[Preferred Service-Tractor] 192A01006**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (36 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 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>PCA0130204</b>	PCA0116683	PCA0112174
Sample Date	Client Info			<b>13 Jul 2024</b>	20 Mar 2024	30 Nov 2023
Machine Age	mls	Client Info		<b>530653</b>	519218	506710
Oil Age	mls	Client Info		<b>11435</b>	12508	14418
Oil Changed	Client Info			<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>6.0		<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	>100	<b>17</b>	18	26
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>4</b>	3	2
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	1
Copper	ppm	ASTM D5185m	>330	<b>2</b>	2	2
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	1	1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1

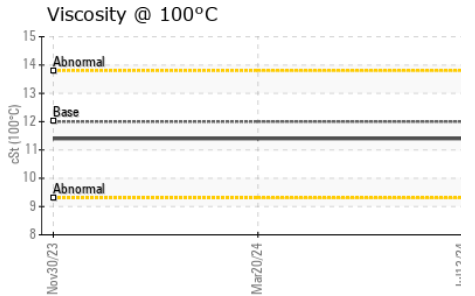
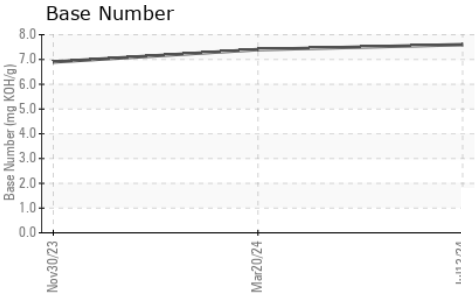
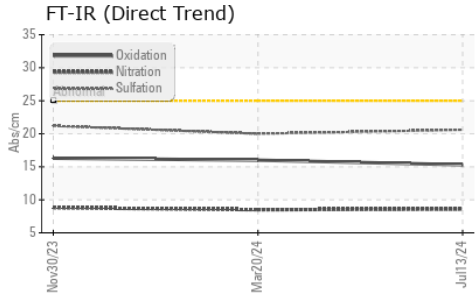
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>0</b>	<1	0
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	12
Molybdenum	ppm	ASTM D5185m	50	<b>59</b>	63	63
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	950	<b>934</b>	978	971
Calcium	ppm	ASTM D5185m	1050	<b>1087</b>	1132	1121
Phosphorus	ppm	ASTM D5185m	995	<b>1052</b>	980	1033
Zinc	ppm	ASTM D5185m	1180	<b>1262</b>	1269	1285
Sulfur	ppm	ASTM D5185m	2600	<b>2979</b>	3154	3062

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>2</b>	4	3
Sodium	ppm	ASTM D5185m		<b>1</b>	<1	4
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	3

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>1.2</b>	0.9	1.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.6</b>	8.5	8.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>20.6</b>	20.0	21.2

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.3</b>	16.0	16.3
Base Number (BN)	mg KOH/g	ASTM D2896		<b>7.6</b>	7.4	6.9

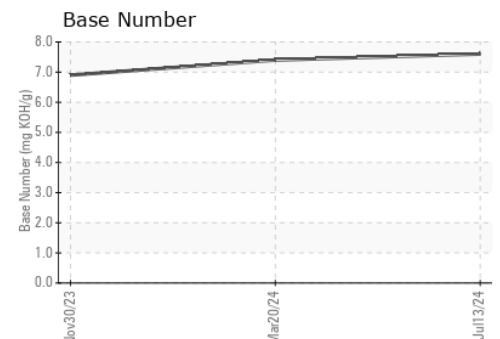
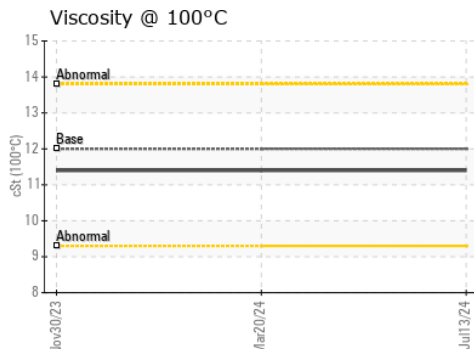
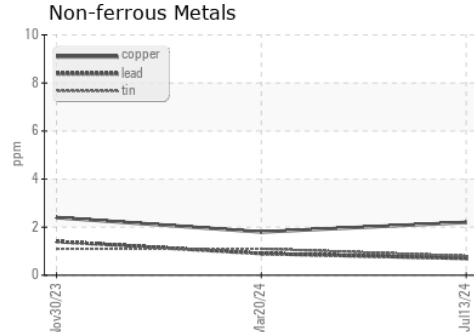
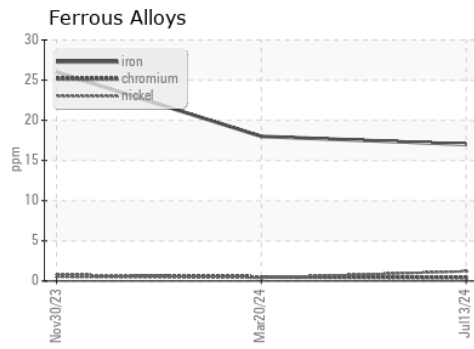
# OIL ANALYSIS REPORT



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	<b>11.4</b>	11.4

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0130204      **Received** : 18 Jul 2024  
**Lab Number** : 06239869      **Tested** : 18 Jul 2024  
**Unique Number** : 11128703      **Diagnosed** : 18 Jul 2024 - Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1920 - Preferred Service**  
 1955 W. North Avenue, Bldg K  
 Melrose Park, IL  
 US 60160  
 Contact: Tom Lindeman  
 tlindemann@transervice.com  
 T: (630)376-8946  
 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)