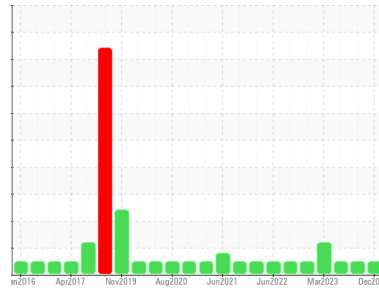


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**FLEET**  
Machine Id  
**7994**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (--- QTS)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

### 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>PCA0113695</b>	PCA0102849	PCA0095992
Sample Date	Client Info		<b>28 Dec 2023</b>	21 Sep 2023	08 Jun 2023
Machine Age	mls	Client Info	<b>793628</b>	776685	757693
Oil Age	mls	Client Info	<b>16943</b>	37123	18131
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	Not Chngd
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 >100	<b>18</b>	43	23
Chromium	ppm	ASTM D5185m >20	<b>&lt;1</b>	1	<1
Nickel	ppm	ASTM D5185m >4	<b>0</b>	2	1
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >20	<b>2</b>	2	3
Lead	ppm	ASTM D5185m >40	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m >330	<b>&lt;1</b>	1	3
Tin	ppm	ASTM D5185m >15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	<b>0</b>	2	4
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 50	<b>62</b>	60	59
Manganese	ppm	ASTM D5185m 0	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m 950	<b>1010</b>	1012	1007
Calcium	ppm	ASTM D5185m 1050	<b>1099</b>	1144	1158
Phosphorus	ppm	ASTM D5185m 995	<b>1027</b>	1043	1053
Zinc	ppm	ASTM D5185m 1180	<b>1281</b>	1320	1349
Sulfur	ppm	ASTM D5185m 2600	<b>2898</b>	2739	3429

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>4</b>	7	7
Sodium	ppm	ASTM D5185m	<b>10</b>	23	16
Potassium	ppm	ASTM D5185m >20	<b>2</b>	2	3

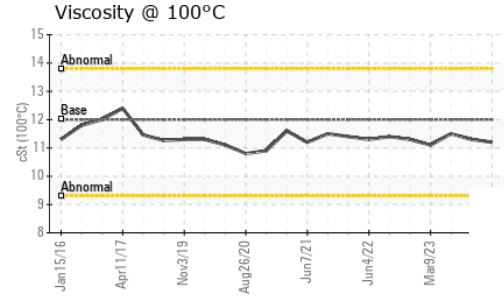
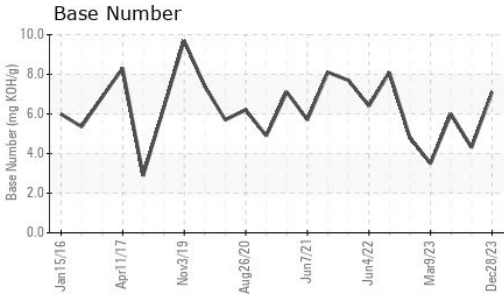
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.5</b>	1.4	0.9
Nitration	Abs/cm	*ASTM D7624 >20	<b>8.3</b>	10.4	9.5
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>20.3</b>	24.5	22.5

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>16.8</b>	20.8	19.6
Base Number (BN)	mg KOH/g	ASTM D2896	<b>7.1</b>	4.3	6.0

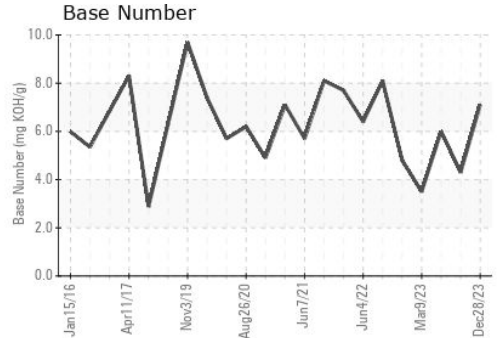
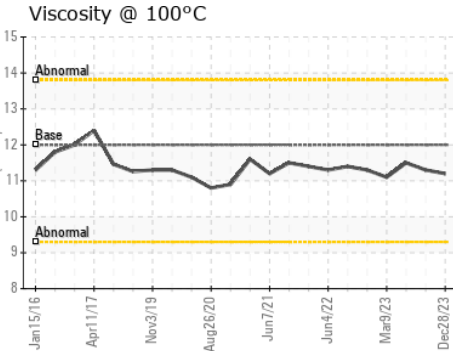
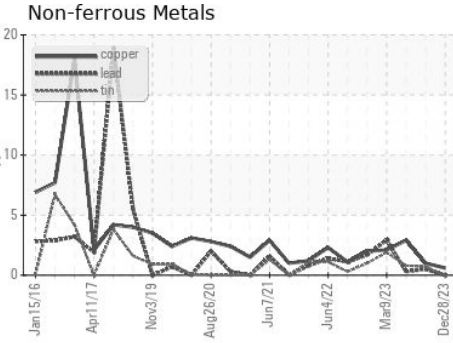
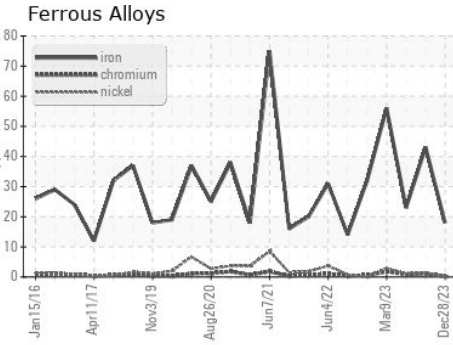
# OIL ANALYSIS REPORT



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	11.2	11.3

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0113695 **Received** : 09 Jan 2024  
**Lab Number** : 06055810 **Diagnosed** : 10 Jan 2024  
**Unique Number** : 10821759 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**PERDUE FARMS - ACCOMAC**  
 22520 LANKFORD HWY  
 ACCOMAC, VA  
 US 23301  
 Contact: PEGGY KIMES  
 peggy.kimes@perdue.com  
 T: (757)787-5304  
 F: (757)787-5208

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)