

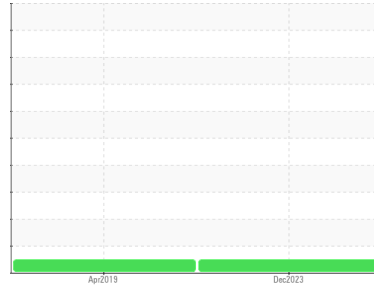
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**CATERPILLAR 325F 20-78 (S/N CAT0325NDJ20187)**  
 Component  
**Right Final Drive**  
 Fluid  
**PETRO CANADA TDTO HT/4 30 (2 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 condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PCA0095022</b>	PCAM127286	---
Sample Date	Client Info			<b>05 Dec 2023</b>	21 Apr 2019	---
Machine Age	hrs	Client Info		<b>5156</b>	1092	---
Oil Age	hrs	Client Info		<b>5156</b>	1092	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	<b>NEG</b>	NEG	---

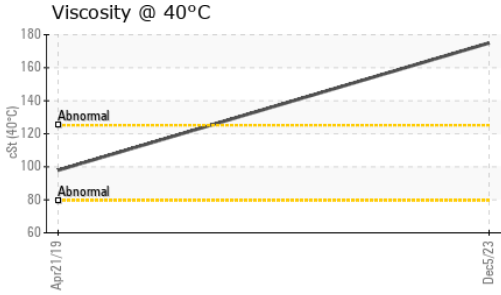
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	<b>162</b>	54	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>75	<b>7</b>	1	---
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>75	<b>&lt;1</b>	2	---
Tin	ppm	ASTM D5185m	>8	<b>&lt;1</b>	0	---
Antimony	ppm	ASTM D5185m	>50	<b>---</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>4</b>	<1	---
Barium	ppm	ASTM D5185m		<b>0</b>	9	---
Molybdenum	ppm	ASTM D5185m		<b>5</b>	0	---
Manganese	ppm	ASTM D5185m		<b>2</b>	1	---
Magnesium	ppm	ASTM D5185m		<b>42</b>	9	---
Calcium	ppm	ASTM D5185m		<b>2625</b>	2952	---
Phosphorus	ppm	ASTM D5185m		<b>1086</b>	874	---
Zinc	ppm	ASTM D5185m		<b>1263</b>	1155	---
Sulfur	ppm	ASTM D5185m		<b>8232</b>	6031	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	<b>43</b>	8	---
Sodium	ppm	ASTM D5185m		<b>1</b>	3	---
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	13	---

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

# OIL ANALYSIS REPORT

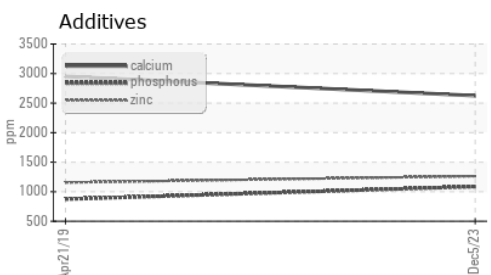
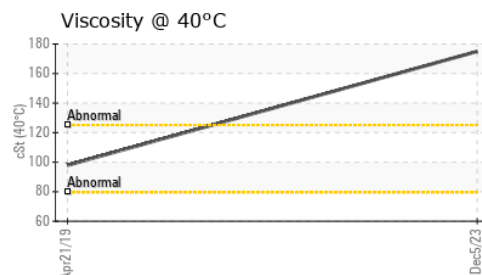
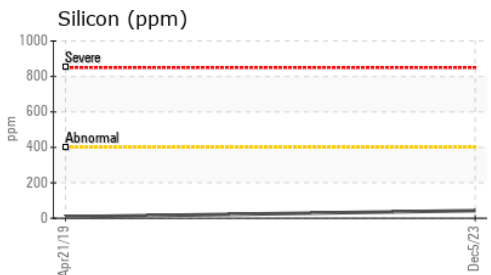
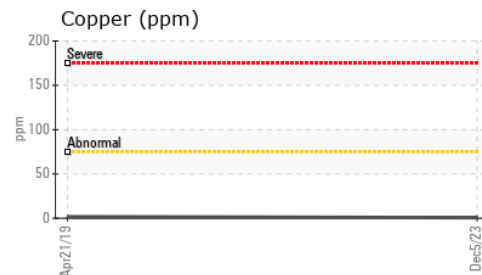
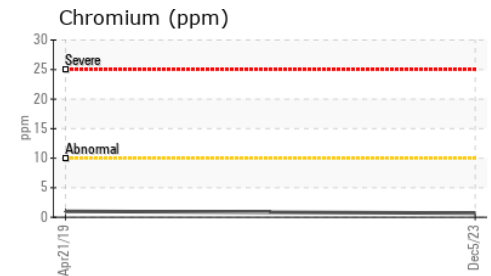
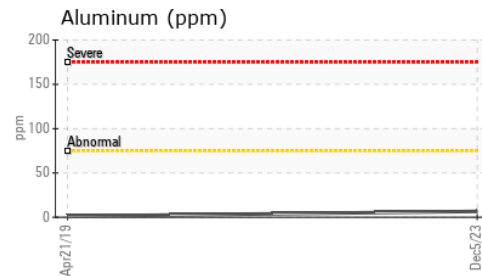
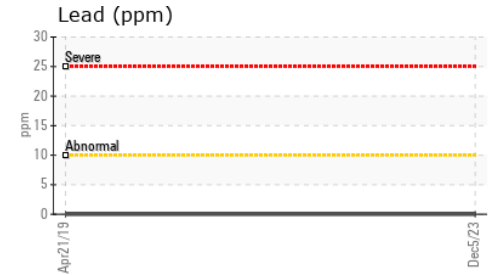
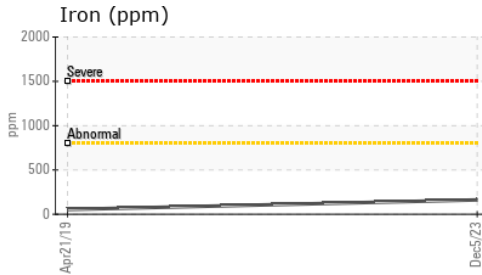


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		<b>175</b>	97.9	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color					no image	no image	no image
Bottom					no image	no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0095022      **Recieved** : 25 Jan 2024  
**Lab Number** : \*06070775      **Diagnosed** : 28 Jan 2024  
**Unique Number** : 10847452      **Diagnostician** : Don Baldrige  
**Test Package** : MOB 1

**JOHNSON DAVIS CONTRACTORS**  
 604 HILBRATH DR  
 LANTANA, FL  
 US 33462  
 Contact: GENE GARDNER  
 ggardner@johnsondavis.com  
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 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)