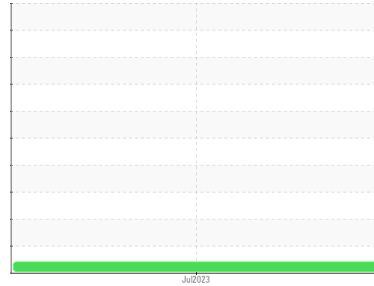


# OIL ANALYSIS REPORT

Sample Rating Trend

VIS DEBRIS

Area  
**Plymouth & Brockton**  
 Machine Id  
**11449**  
 Component  
**Transmission (Auto)**  
 Fluid  
**BP AUTRAN SYN 295 (26 QTS)**



## DIAGNOSIS

### Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

Moderate concentration of visible dirt/debris present in the fluid.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0090681</b>	---	---
Sample Date	Client Info	<b>01 Jul 2023</b>	---	---
Machine Age	mls Client Info	<b>150085</b>	---	---
Oil Age	mls Client Info	<b>78000</b>	---	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>230	<b>85</b>	---	---
Chromium ppm ASTM D5185m	>2	<b>0</b>	---	---
Nickel ppm ASTM D5185m	>5	<b>&lt;1</b>	---	---
Titanium ppm ASTM D5185m	>2	<b>&lt;1</b>	---	---
Silver ppm ASTM D5185m	>5	<b>0</b>	---	---
Aluminum ppm ASTM D5185m	>65	<b>27</b>	---	---
Lead ppm ASTM D5185m	>55	<b>25</b>	---	---
Copper ppm ASTM D5185m	>85	<b>12</b>	---	---
Tin ppm ASTM D5185m	>5	<b>3</b>	---	---
Vanadium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Cadmium ppm ASTM D5185m		<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		<b>73</b>	---	---
Barium ppm ASTM D5185m		<b>0</b>	---	---
Molybdenum ppm ASTM D5185m		<b>&lt;1</b>	---	---
Manganese ppm ASTM D5185m		<b>1</b>	---	---
Magnesium ppm ASTM D5185m		<b>5</b>	---	---
Calcium ppm ASTM D5185m		<b>28</b>	---	---
Phosphorus ppm ASTM D5185m		<b>270</b>	---	---
Zinc ppm ASTM D5185m		<b>1</b>	---	---
Sulfur ppm ASTM D5185m		<b>500</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>20	<b>4</b>	---	---
Sodium ppm ASTM D5185m		<b>5</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>3</b>	---	---

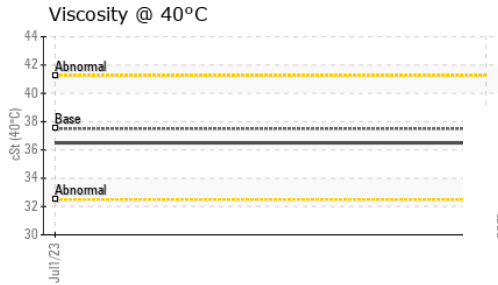
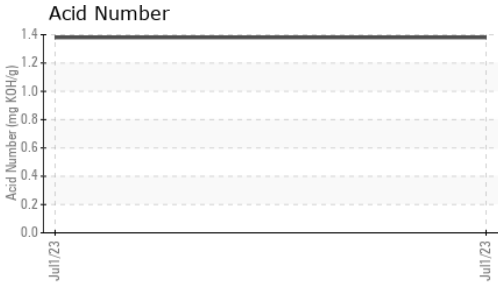
## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045		<b>1.38</b>	---	---

## VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	<b>NONE</b>	---	---
Yellow Metal scalar *Visual	NONE	<b>NONE</b>	---	---
Precipitate scalar *Visual	NONE	<b>NONE</b>	---	---
Silt scalar *Visual	NONE	<b>NONE</b>	---	---
Debris scalar *Visual	NONE	<b>▲ MODER</b>	---	---
Sand/Dirt scalar *Visual	NONE	<b>NONE</b>	---	---
Appearance scalar *Visual	NORML	<b>NORML</b>	---	---
Odor scalar *Visual	NORML	<b>NORML</b>	---	---
Emulsified Water scalar *Visual	>0.1	<b>NEG</b>	---	---
Free Water scalar *Visual		<b>NEG</b>	---	---

# OIL ANALYSIS REPORT

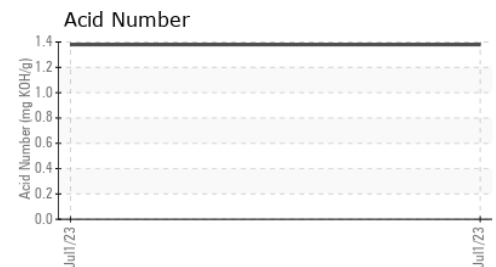
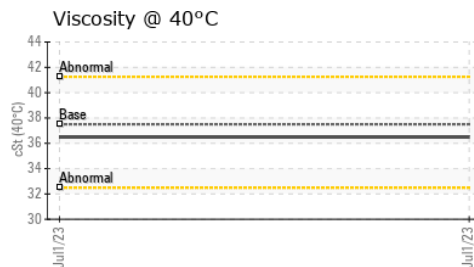
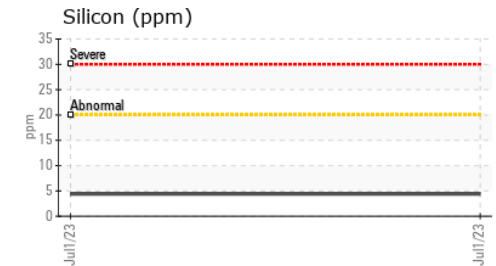
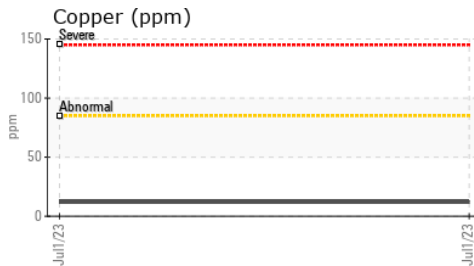
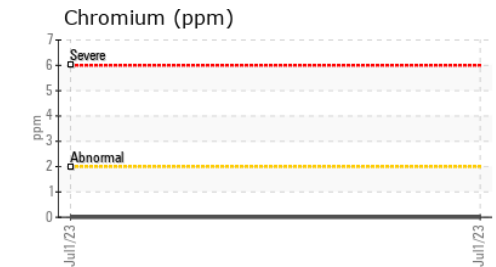
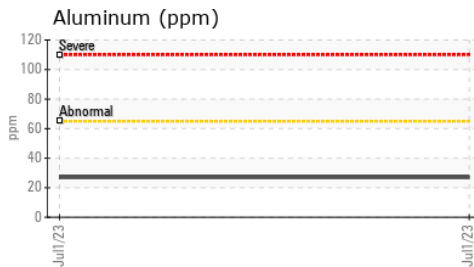
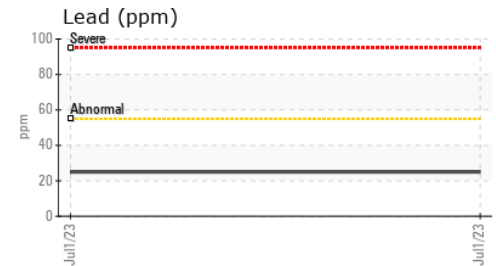
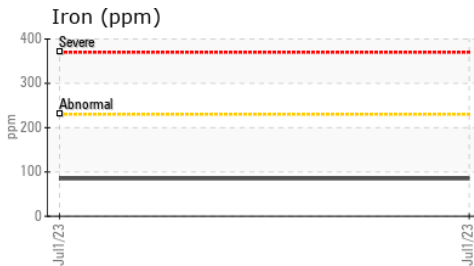


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	37.5	<b>36.5</b>	---	---

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.** : PCA0090681      **Received** : 20 Jul 2023  
**Lab Number** : 05903410      **Diagnosed** : 24 Jul 2023  
**Unique Number** : 10564766      **Diagnostician** : Don Baldrige  
**Test Package** : MOB 2

**PLYMOUTH & BROCKTON**  
 8 INDUSTRIAL PARK RD  
 PLYMOUTH, MA  
 US 02360  
 Contact: Donald Pelquin  
 Dpelquin@P-B.com  
 T: (508)732-6039  
 F: (508)732-6091

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)