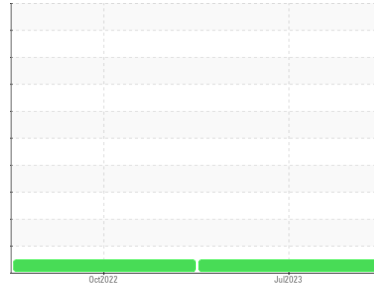




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**Plymouth & Brockton**  
 Machine Id  
**11442**  
 Component  
**Transmission (Auto)**  
 Fluid  
**BP AUTRAN SYN 295 (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 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>PCA0090740</b>	PCA0071993	---
Sample Date	Client Info	<b>07 Jul 2023</b>	15 Oct 2022	---
Machine Age	mls	Client Info	<b>167364</b>	0
Oil Age	mls	Client Info	<b>78000</b>	0
Oil Changed	Client Info	<b>Changed</b>	N/A	---
Sample Status		<b>NORMAL</b>	NORMAL	---

### WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >230	<b>98</b>	96
Chromium	ppm	ASTM D5185m >2	<b>0</b>	0
Nickel	ppm	ASTM D5185m >5	<b>&lt;1</b>	<1
Titanium	ppm	ASTM D5185m >2	<b>&lt;1</b>	0
Silver	ppm	ASTM D5185m >5	<b>0</b>	0
Aluminum	ppm	ASTM D5185m >65	<b>25</b>	25
Lead	ppm	ASTM D5185m >55	<b>22</b>	26
Copper	ppm	ASTM D5185m >85	<b>11</b>	17
Tin	ppm	ASTM D5185m >5	<b>2</b>	4
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0

### ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>87</b>	90
Barium	ppm	ASTM D5185m	<b>0</b>	<1
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	<1
Manganese	ppm	ASTM D5185m	<b>1</b>	2
Magnesium	ppm	ASTM D5185m	<b>&lt;1</b>	0
Calcium	ppm	ASTM D5185m	<b>28</b>	35
Phosphorus	ppm	ASTM D5185m	<b>271</b>	259
Zinc	ppm	ASTM D5185m	<b>0</b>	4
Sulfur	ppm	ASTM D5185m	<b>476</b>	895

### CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>4</b>	4
Sodium	ppm	ASTM D5185m	<b>5</b>	6
Potassium	ppm	ASTM D5185m >20	<b>2</b>	3

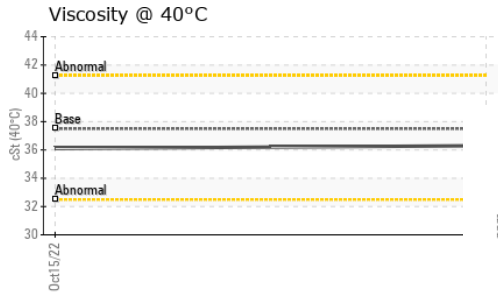
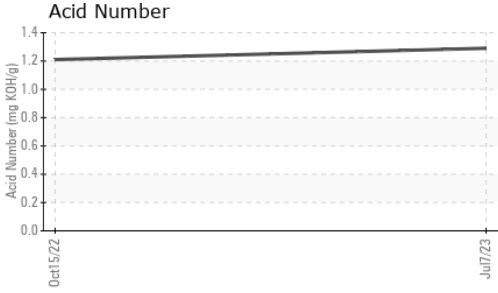
### FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>1.29</b>	1.21

### 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>NONE</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 >0.1	<b>NEG</b>	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG

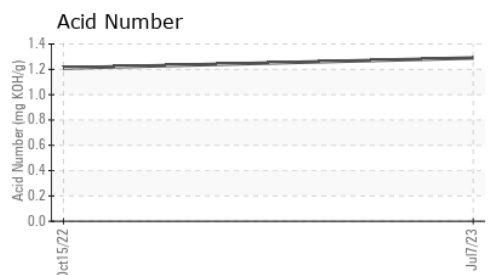
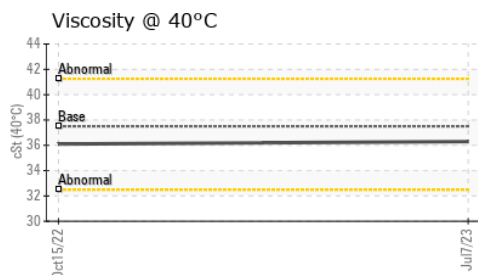
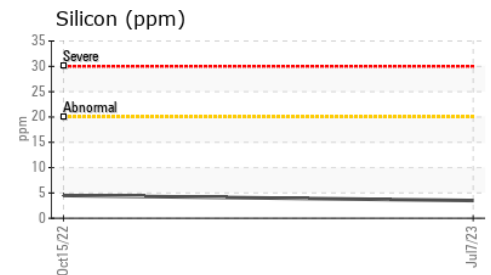
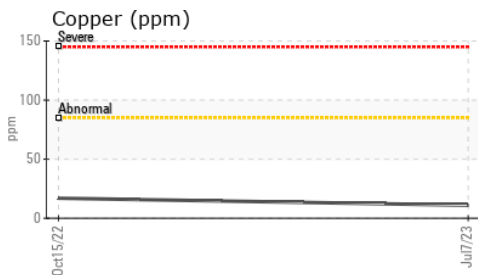
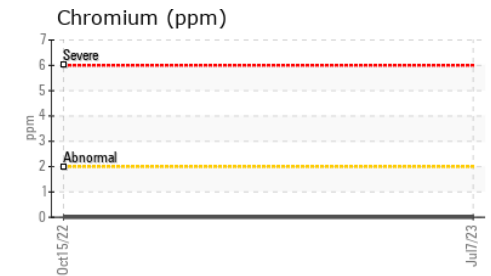
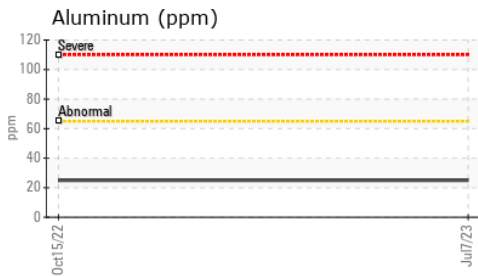
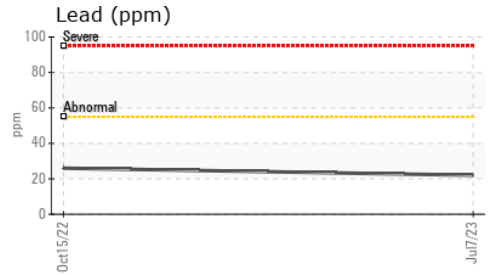
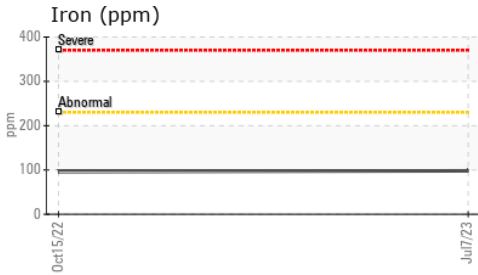
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	37.5	<b>36.3</b>	36.1	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
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.** : PCA0090740 **Received** : 20 Jul 2023  
**Lab Number** : 05903413 **Diagnosed** : 21 Jul 2023  
**Unique Number** : 10564769 **Diagnostician** : Wes Davis  
**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)