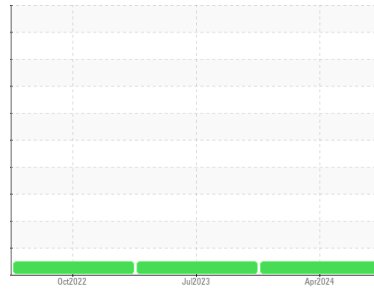


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**Plymouth & Brockton**  
 Machine Id  
**440**  
 Component  
**Transmission (Auto)**  
 Fluid  
**BP AUTRAN SYN 295 (36)**

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

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0104435</b>	PCA0090684	PCA0071989
Sample Date	Client Info		<b>05 Apr 2024</b>	06 Jul 2023	20 Oct 2022
Machine Age	mls	Client Info	<b>240157</b>	156830	0
Oil Age	mls	Client Info	<b>1200</b>	78000	0
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >230	<b>70</b>	93	101
Chromium	ppm	ASTM D5185m >2	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m >5	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m >2	<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m >5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >65	<b>23</b>	27	26
Lead	ppm	ASTM D5185m >55	<b>12</b>	21	32
Copper	ppm	ASTM D5185m >85	<b>18</b>	13	16
Tin	ppm	ASTM D5185m >5	<b>3</b>	3	4
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>78</b>	107	92
Barium	ppm	ASTM D5185m	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m	<b>1</b>	<1	1
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	1	2
Magnesium	ppm	ASTM D5185m	<b>0</b>	7	0
Calcium	ppm	ASTM D5185m	<b>88</b>	48	35
Phosphorus	ppm	ASTM D5185m	<b>261</b>	281	259
Zinc	ppm	ASTM D5185m	<b>15</b>	8	3
Sulfur	ppm	ASTM D5185m	<b>1138</b>	511	853

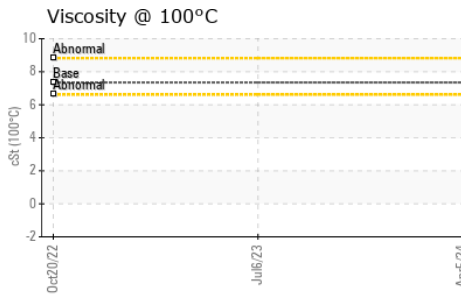
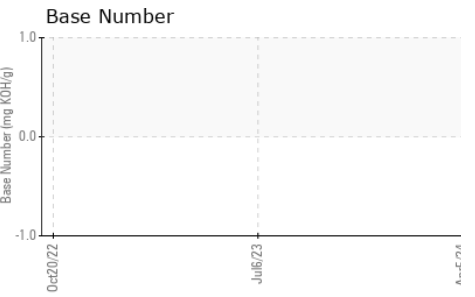
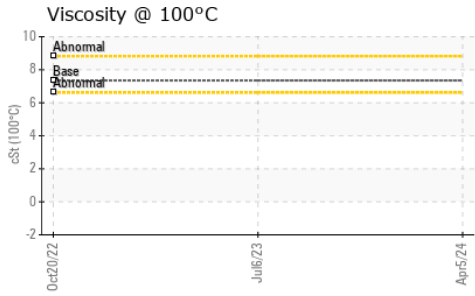
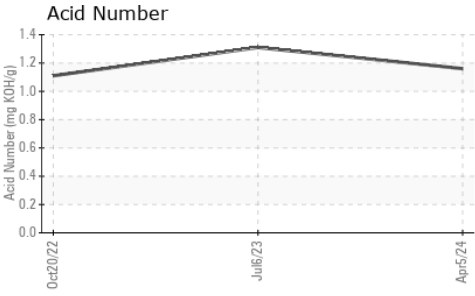
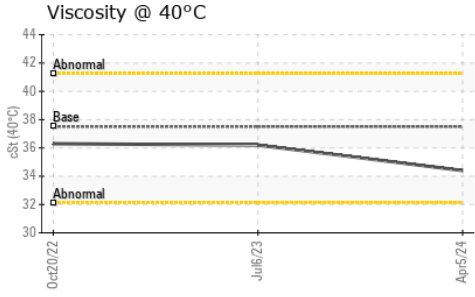
### CONTAMINANTS

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

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>1.16</b>	1.31	1.11

# OIL ANALYSIS REPORT

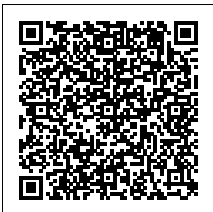
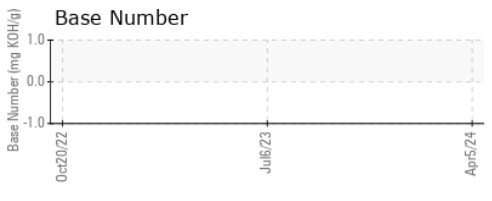
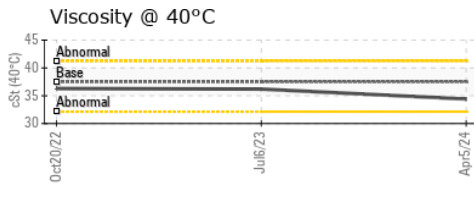
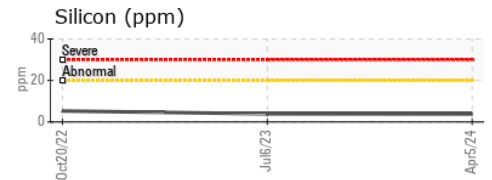
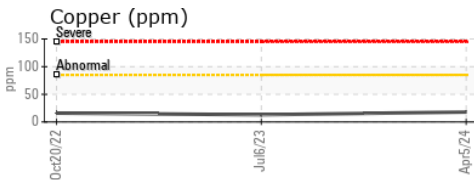
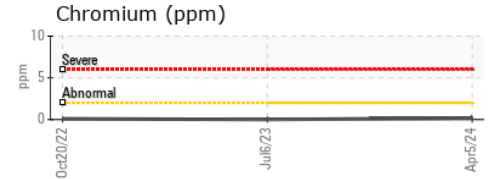
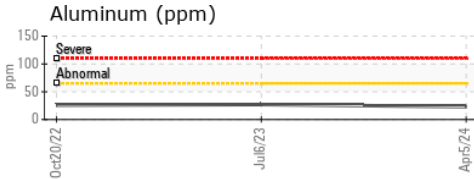
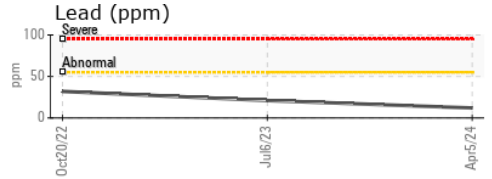
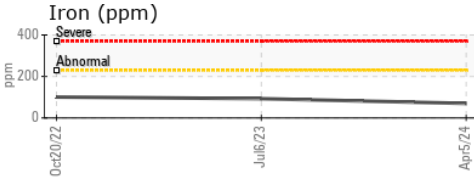


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	37.5	<b>34.4</b>	36.2	36.3

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0104435      **Received** : 12 Apr 2024  
**Lab Number** : **06147521**      **Tested** : 16 Apr 2024  
**Unique Number** : 10977599      **Diagnosed** : 16 Apr 2024 - Don Baldrige  
**Test Package** : MOB 2 ( Additional Tests: FT-IR, KV100, TBN )

**PLYMOUTH & BROCKTON**  
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 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)