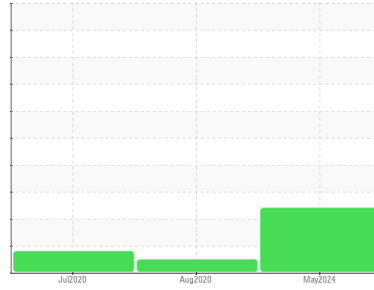


# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area

**PASTA [98890735]**

Machine Id

**B PRESS TRANSMISSION OIL COOLER**

Component

**Gearbox**

Fluid

**GEAR OIL ISO 320 (--- GAL)**

## DIAGNOSIS

### Recommendation

The oil filtered at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of particulates present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. 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>PCA0127828</b>	PCA0027799	PCA0018910
Sample Date	Client Info			<b>17 May 2024</b>	22 Aug 2020	17 Jul 2020
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>Filtered</b>	Filtered	Filtered
Sample Status				<b>ABNORMAL</b>	NORMAL	ABNORMAL

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

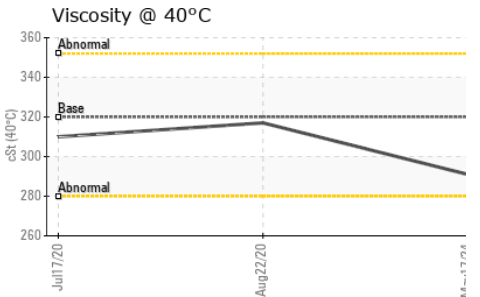
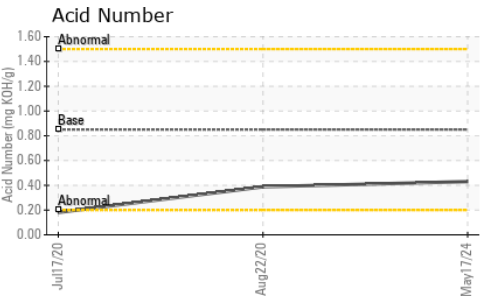
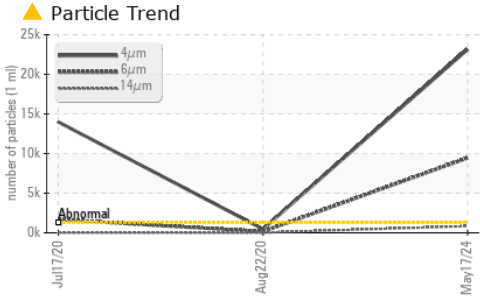
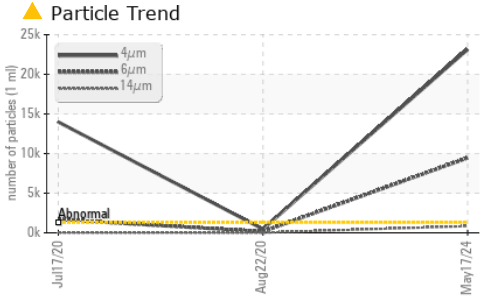
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<b>&lt;1</b>	6	1
Chromium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>4</b>	0	0
Lead	ppm	ASTM D5185m	>100	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>200	<b>1</b>	0	0
Tin	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	0
Antimony	ppm	ASTM D5185m	>5	<b>---</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	2
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	15	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m	15	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m	50	<b>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185m	50	<b>3</b>	0	<1
Phosphorus	ppm	ASTM D5185m	350	<b>313</b>	131	83
Zinc	ppm	ASTM D5185m	100	<b>3</b>	0	2
Sulfur	ppm	ASTM D5185m	12500	<b>1026</b>	32	55

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>2</b>	5	4
Sodium	ppm	ASTM D5185m		<b>6</b>	0	<1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	8

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	<b>▲ 23145</b>	469	▲ 13984
Particles >6µm		ASTM D7647	>320	<b>▲ 9461</b>	163	▲ 1666
Particles >14µm		ASTM D7647	>80	<b>▲ 841</b>	17	26
Particles >21µm		ASTM D7647	>20	<b>▲ 188</b>	5	4
Particles >38µm		ASTM D7647	>4	<b>▲ 8</b>	0	0
Particles >71µm		ASTM D7647	>3	<b>2</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>17/15/13	<b>▲ 22/20/17</b>	16/15/11	▲ 21/18/12

# OIL ANALYSIS REPORT

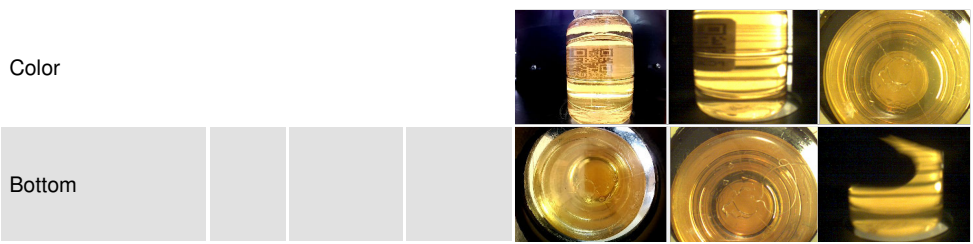


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	<b>0.43</b>	0.388	0.181

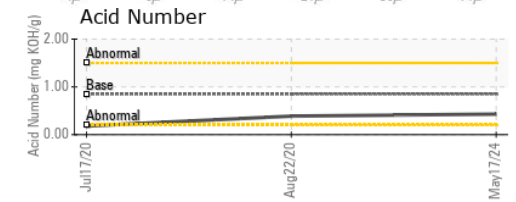
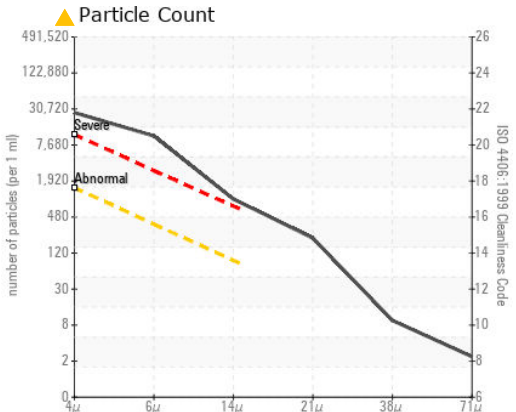
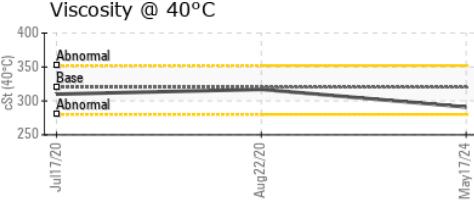
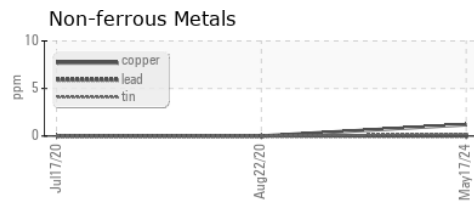
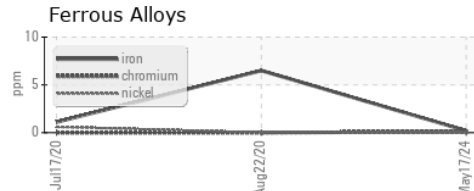
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	320	<b>291</b>	317	310

SAMPLE IMAGES		method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0127828  
**Lab Number** : 06199096  
**Unique Number** : 11061219  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

**Received** : 04 Jun 2024  
**Tested** : 06 Jun 2024  
**Diagnosed** : 06 Jun 2024 - Don Baldrige

**KraftHeinz - Springfield - Plant 8311 PCA**  
 2035 E BENNETT  
 SPRINGFIELD, MO  
 US 65804  
 Contact: Service Manager

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)