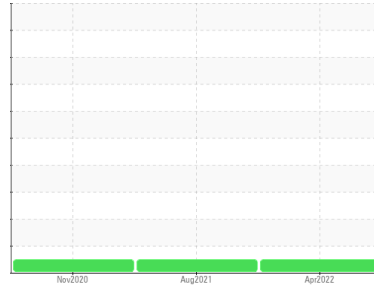


# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



Area  
**SCOF [97320010]**  
 Machine Id  
**6120 EAST**  
 Component  
**Gearbox**  
 Fluid  
**GEAR OIL ISO 460 (--- 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. The amount and size of particulates present in the system are acceptable.

#### 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>PCA0067362</b>	PCA0053982	PCA0036657
Sample Date	Client Info	<b>16 Apr 2022</b>	08 Aug 2021	12 Nov 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>NORMAL</b>	NORMAL	NORMAL

### WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >200	<b>6</b>	9	10
Chromium ppm	ASTM D5185m >15	<b>0</b>	0	0
Nickel ppm	ASTM D5185m >15	<b>0</b>	0	0
Titanium ppm	ASTM D5185m	<b>0</b>	0	0
Silver ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum ppm	ASTM D5185m >25	<b>5</b>	3	8
Lead ppm	ASTM D5185m >100	<b>0</b>	0	0
Copper ppm	ASTM D5185m >200	<b>0</b>	0	0
Tin ppm	ASTM D5185m >25	<b>0</b>	0	0
Antimony ppm	ASTM D5185m	<b>---</b>	0	0
Vanadium ppm	ASTM D5185m	<b>0</b>	0	0
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	0
Molybdenum ppm	ASTM D5185m 15	<b>0</b>	0	0
Manganese ppm	ASTM D5185m	<b>0</b>	<1	<1
Magnesium ppm	ASTM D5185m 50	<b>0</b>	0	0
Calcium ppm	ASTM D5185m 50	<b>4</b>	5	7
Phosphorus ppm	ASTM D5185m 350	<b>336</b>	347	368
Zinc ppm	ASTM D5185m 100	<b>5</b>	0	8
Sulfur ppm	ASTM D5185m 12500	<b>336</b>	479	287

### CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >50	<b>&lt;1</b>	7	<1
Sodium ppm	ASTM D5185m	<b>0</b>	1	<1
Potassium ppm	ASTM D5185m >20	<b>1</b>	<1	0
Water %	ASTM D6304 >0.2	<b>0.005</b>	0.003	0.003
ppm Water ppm	ASTM D6304 >2000	<b>59.9</b>	25.6	35.3

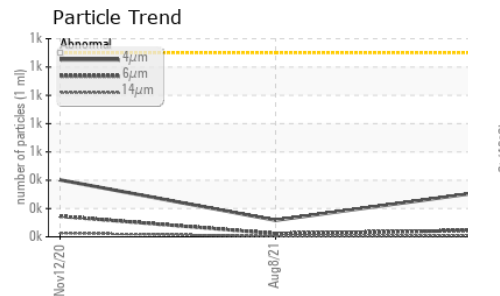
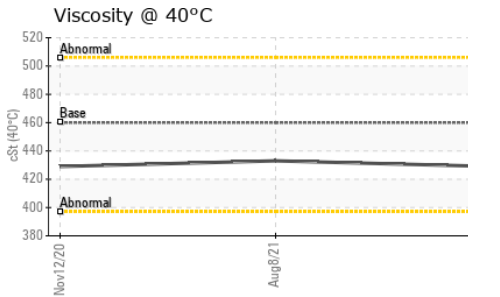
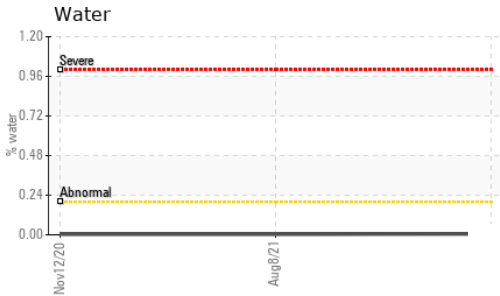
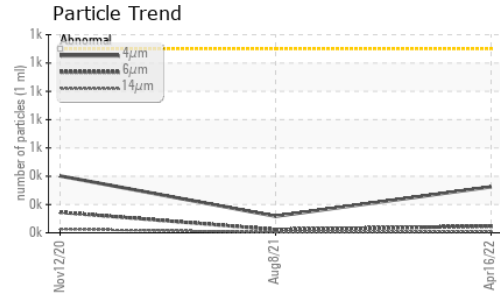
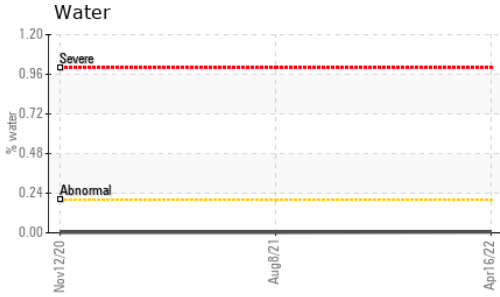
### FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >1300	<b>325</b>	117	402
Particles >6µm	ASTM D7647 >320	<b>47</b>	23	145
Particles >14µm	ASTM D7647 >80	<b>9</b>	4	26
Particles >21µm	ASTM D7647 >20	<b>3</b>	0	9
Particles >38µm	ASTM D7647 >4	<b>0</b>	0	0
Particles >71µm	ASTM D7647 >3	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c) >17/15/13	<b>16/13/10</b>	14/12/9	16/14/12

### FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045 0.85	<b>0.27</b>	0.247	0.222

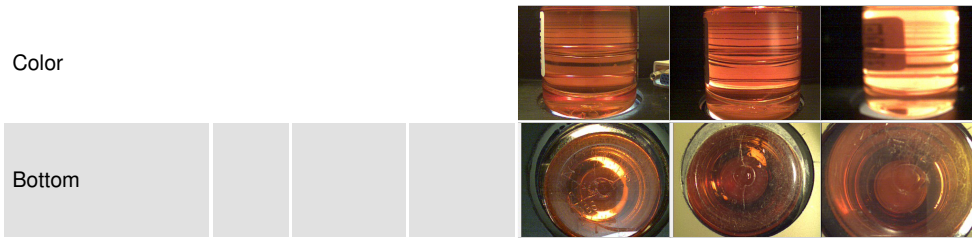
# OIL ANALYSIS REPORT



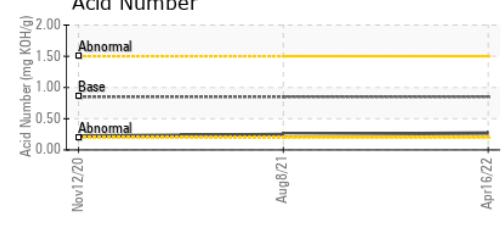
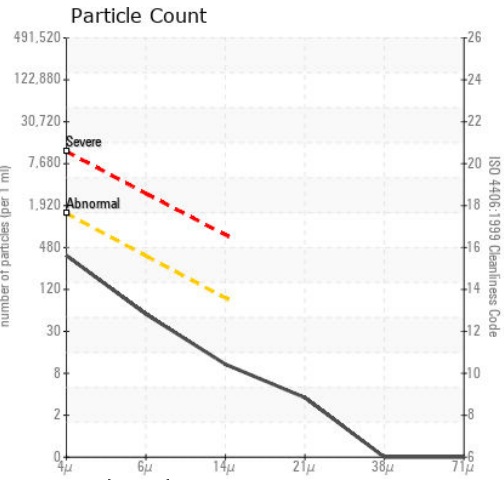
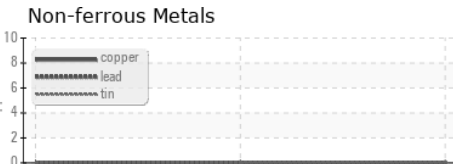
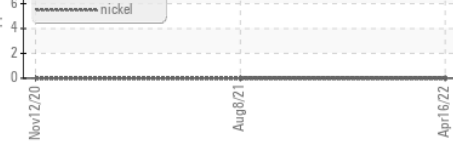
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	460	429	433

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0067362  
**Lab Number** : 05541217  
**Unique Number** : 9970507  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )

**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)

T:  
F: