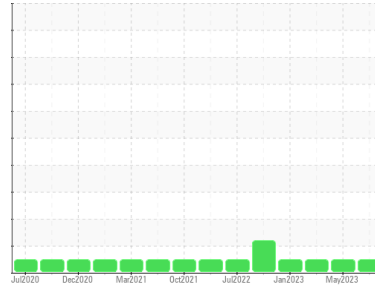


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
SCOF [98589691]
 Machine Id
BEPEX 1
 Component
Gearbox
 Fluid
GEAR OIL ISO 220 (--- 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	PCA0094564	PCA0088322	PCA0088306
Sample Date	Client Info	24 Oct 2023	18 May 2023	25 Mar 2023
Machine Age	hrs Client Info	0	0	0
Oil Age	hrs Client Info	0	0	0
Oil Changed	Client Info	Filtered	Filtered	Filtered
Sample Status		NORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>200	2	3	4
Chromium ppm ASTM D5185m	>15	<1	0	0
Nickel ppm ASTM D5185m	>15	0	0	0
Titanium ppm ASTM D5185m		0	0	0
Silver ppm ASTM D5185m		0	0	0
Aluminum ppm ASTM D5185m	>25	2	2	0
Lead ppm ASTM D5185m	>100	0	0	0
Copper ppm ASTM D5185m	>200	<1	0	0
Tin ppm ASTM D5185m	>25	0	0	0
Vanadium ppm ASTM D5185m		0	0	0
Cadmium ppm ASTM D5185m		0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	50	0	0	0
Barium ppm ASTM D5185m	15	0	0	0
Molybdenum ppm ASTM D5185m	15	0	0	0
Manganese ppm ASTM D5185m		0	<1	0
Magnesium ppm ASTM D5185m	50	<1	0	<1
Calcium ppm ASTM D5185m	50	3	5	7
Phosphorus ppm ASTM D5185m	350	396	402	370
Zinc ppm ASTM D5185m	100	0	0	3
Sulfur ppm ASTM D5185m	12500	1489	1781	1621

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>50	4	2	2
Sodium ppm ASTM D5185m		0	0	0
Potassium ppm ASTM D5185m	>20	1	0	0

FLUID CLEANLINESS

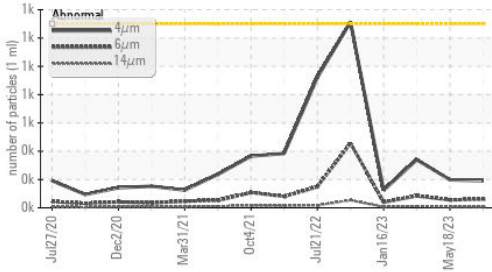
method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>1300	190	198	340
Particles >6µm ASTM D7647	>320	60	56	85
Particles >14µm ASTM D7647	>80	6	7	11
Particles >21µm ASTM D7647	>20	2	3	3
Particles >38µm ASTM D7647	>4	0	0	0
Particles >71µm ASTM D7647	>3	0	0	0
Oil Cleanliness ISO 4406 (c)	>17/15/13	15/13/10	15/13/10	16/14/11

FLUID DEGRADATION

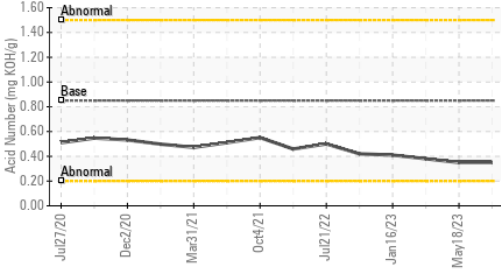
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.85	0.35	0.35	0.38

OIL ANALYSIS REPORT

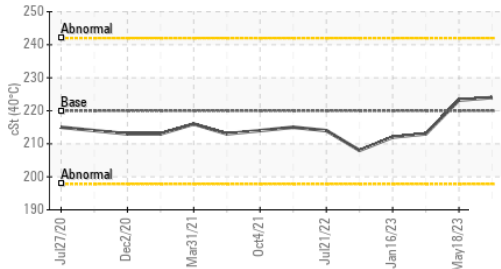
Particle Trend



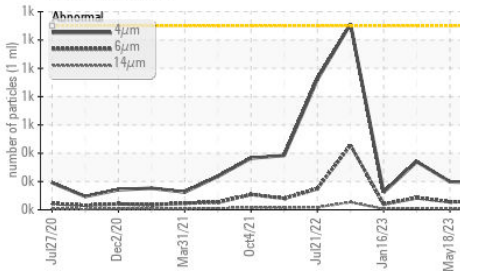
Acid Number



Viscosity @ 40°C



Particle Trend

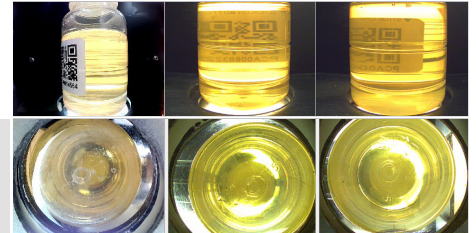


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	220	224	223.2

SAMPLE IMAGES	method	limit/base	current	history1	history2
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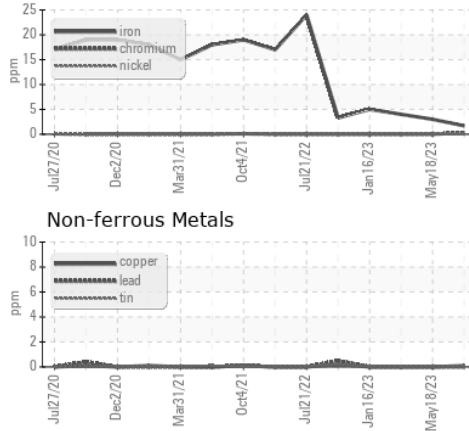
Color



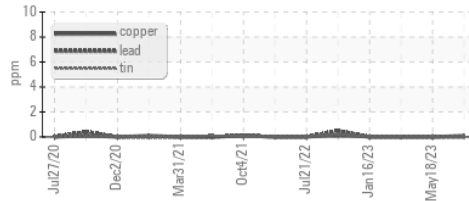
Bottom

GRAPHS

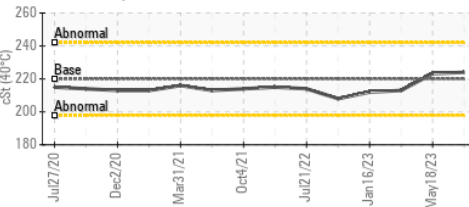
Ferrous Alloys



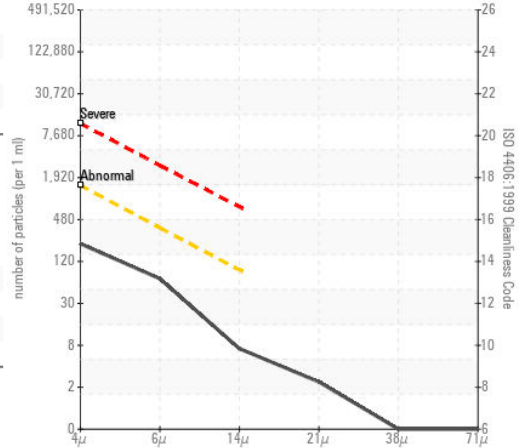
Non-ferrous Metals



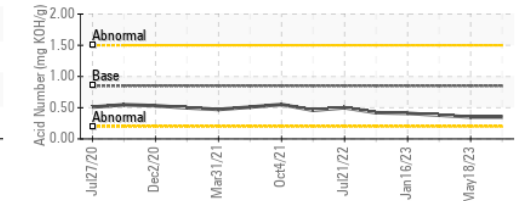
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0094564
Lab Number : 06001548
Unique Number : 10729908
Test Package : IND 2 (Additional Tests: 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: