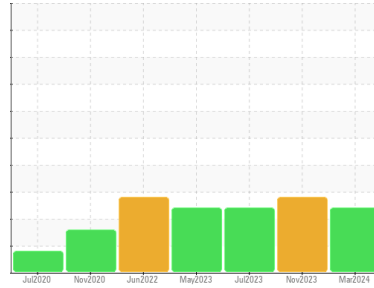


OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
PASTA [98724483]
 Machine Id
D PRESS EXTRUDER WEST
 Component
Gearbox
 Fluid
GEAR OIL ISO 320 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The oil filtration 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 suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0117995	PCA0111841	PCA0076163
Sample Date	Client Info	10 Mar 2024	04 Nov 2023	15 Jul 2023
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	Filtered	Filtered	Filtered
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >200	14	0	<1
Chromium	ppm ASTM D5185m >15	<1	0	0
Nickel	ppm ASTM D5185m >15	<1	0	0
Titanium	ppm ASTM D5185m	<1	0	0
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >25	1	0	0
Lead	ppm ASTM D5185m >100	1	0	0
Copper	ppm ASTM D5185m >200	<1	0	<1
Tin	ppm ASTM D5185m >25	<1	0	0
Vanadium	ppm ASTM D5185m	<1	0	<1
Cadmium	ppm ASTM D5185m	<1	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 50	0	0	0
Barium	ppm ASTM D5185m 15	<1	0	0
Molybdenum	ppm ASTM D5185m 15	<1	0	0
Manganese	ppm ASTM D5185m	<1	0	0
Magnesium	ppm ASTM D5185m 50	<1	0	1
Calcium	ppm ASTM D5185m 50	4	0	0
Phosphorus	ppm ASTM D5185m 350	427	48	77
Zinc	ppm ASTM D5185m 100	2	0	0
Sulfur	ppm ASTM D5185m 12500	996	17	85

CONTAMINANTS

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

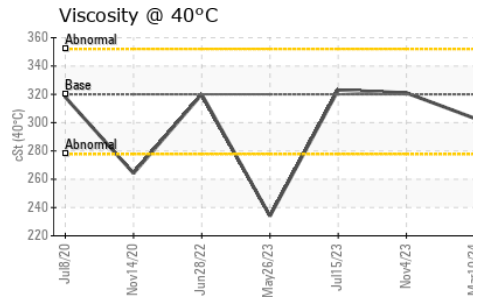
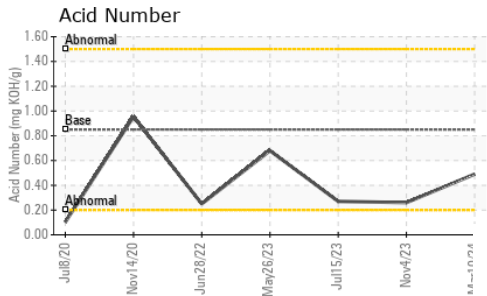
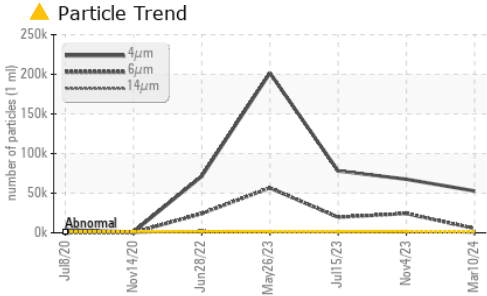
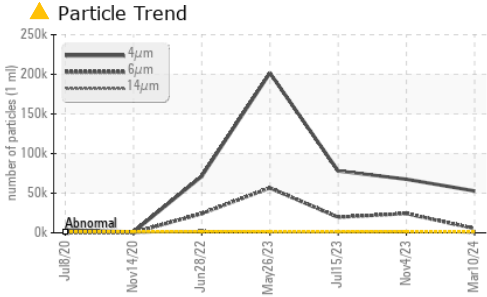
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >1300	▲ 52813	▲ 67618	▲ 78077
Particles >6µm	ASTM D7647 >320	▲ 5343	▲ 24292	▲ 19688
Particles >14µm	ASTM D7647 >80	▲ 248	▲ 2190	▲ 1090
Particles >21µm	ASTM D7647 >20	▲ 85	▲ 603	▲ 286
Particles >38µm	ASTM D7647 >4	▲ 6	▲ 37	▲ 13
Particles >71µm	ASTM D7647 >3	2	▲ 3	1
Oil Cleanliness	ISO 4406 (c) >17/15/13	▲ 23/20/15	▲ 23/22/18	▲ 23/21/17

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 0.85	0.49	0.26	0.27

OIL ANALYSIS REPORT

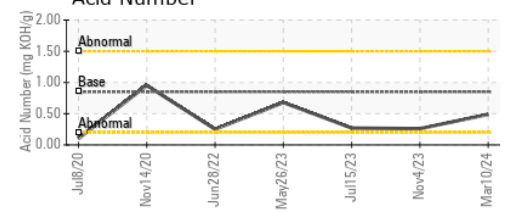
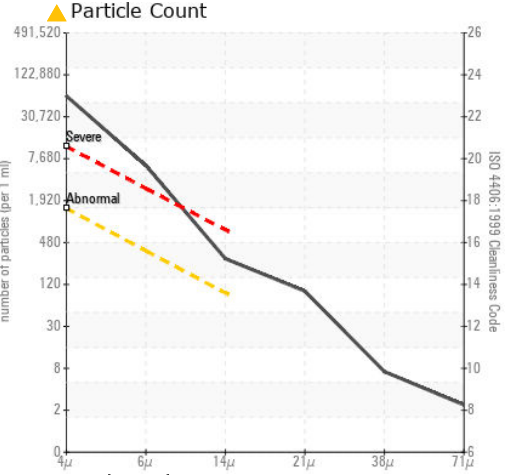
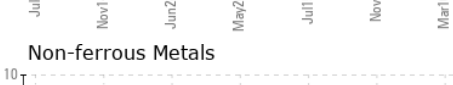
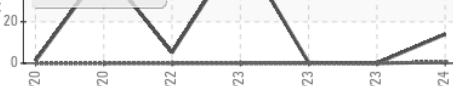


PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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

PARAMETER	method	limit/base	current	history1	history2
FLUID PROPERTIES					
Visc @ 40°C	cSt	ASTM D445 320	303	321	323

PARAMETER	method	limit/base	current	history1	history2
SAMPLE IMAGES					
Color					
Bottom					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0117995 **Received** : 26 Mar 2024
Lab Number : 06129388 **Tested** : 27 Mar 2024
Unique Number : 10943539 **Diagnosed** : 29 Mar 2024 - Don Baldrige
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)