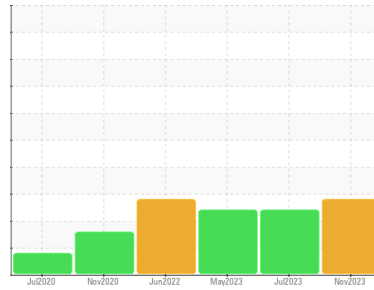


PROBLEM SUMMARY

Area
PASTA [98542818]
Machine Id
D PRESS EXTRUDER WEST
Component
Gearbox
Fluid
GEAR OIL ISO 320 (--- GAL)

Sample Rating Trend

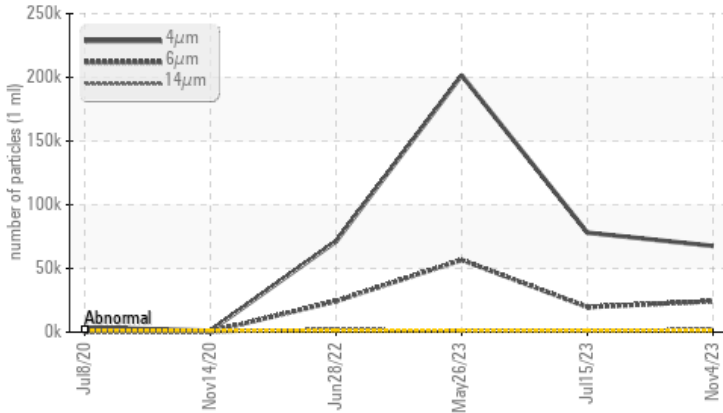


ISO



COMPONENT CONDITION SUMMARY

▲ Particle Trend



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.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Particles >4µm	ASTM D7647	>1300	▲ 67618	▲ 78077	▲ 201595
Particles >6µm	ASTM D7647	>320	▲ 24292	▲ 19688	▲ 56640
Particles >14µm	ASTM D7647	>80	▲ 2190	▲ 1090	▲ 974
Particles >21µm	ASTM D7647	>20	▲ 603	▲ 286	▲ 127
Particles >38µm	ASTM D7647	>4	▲ 37	▲ 13	3
Particles >71µm	ASTM D7647	>3	▲ 3	1	1
Oil Cleanliness	ISO 4406 (c)	>17/15/13	▲ 23/22/18	▲ 23/21/17	▲ 25/23/17

Customer Id: KRASPRMO
Sample No.: PCA0111841
Lab Number: 06005544
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

15 Jul 2023 Diag: Doug Bogart

ISO



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. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



26 May 2023 Diag: Don Baldrige

VISCOSITY



The oil filtered at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

view report



28 Jun 2022 Diag: Doug Bogart

ISO

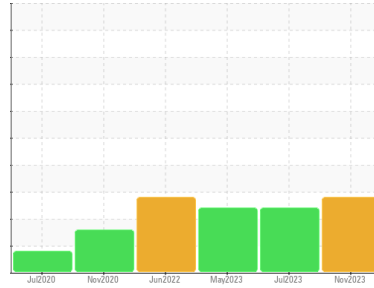


No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. Fuel content negligible. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



Area
PASTA [98542818]
 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	PCA0111841	PCA0076163	PCA0099598
Sample Date	Client Info	04 Nov 2023	15 Jul 2023	26 May 2023
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	Filtered	Filtered	Filtered
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >200	0	<1	56
Chromium	ppm	ASTM D5185m >15	0	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	0	0	0
Lead	ppm	ASTM D5185m >100	0	0	0
Copper	ppm	ASTM D5185m >200	0	<1	3
Tin	ppm	ASTM D5185m >25	0	0	0
Vanadium	ppm	ASTM D5185m	0	<1	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	0	<1
Magnesium	ppm	ASTM D5185m 50	0	1	0
Calcium	ppm	ASTM D5185m 50	0	0	0
Phosphorus	ppm	ASTM D5185m 350	48	77	382
Zinc	ppm	ASTM D5185m 100	0	0	0
Sulfur	ppm	ASTM D5185m 12500	17	85	662

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	5	4	7
Sodium	ppm	ASTM D5185m	0	<1	<1
Potassium	ppm	ASTM D5185m >20	2	1	<1

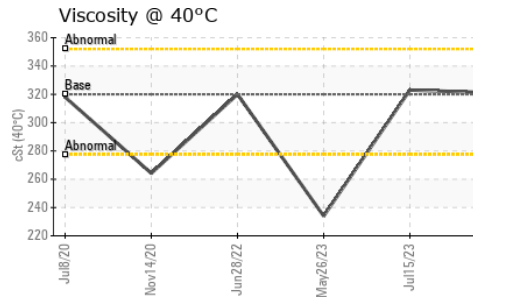
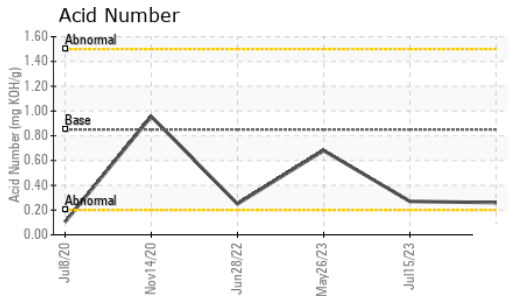
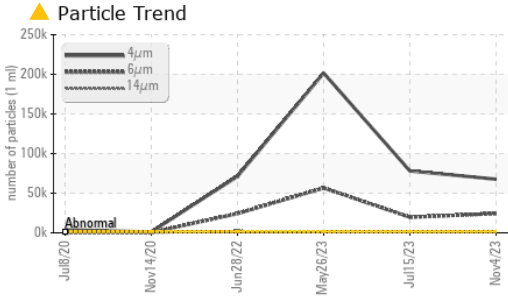
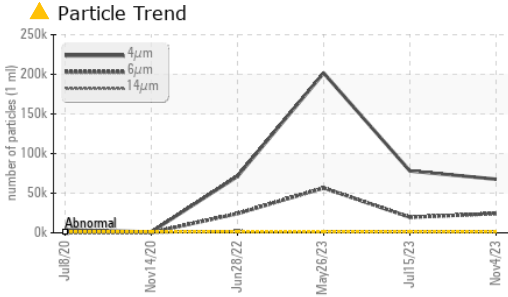
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >1300	▲ 67618	▲ 78077	▲ 201595
Particles >6µm	ASTM D7647 >320	▲ 24292	▲ 19688	▲ 56640
Particles >14µm	ASTM D7647 >80	▲ 2190	▲ 1090	▲ 974
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Particles >38µm	ASTM D7647 >4	▲ 37	▲ 13	3
Particles >71µm	ASTM D7647 >3	▲ 3	1	1
Oil Cleanliness	ISO 4406 (c) >17/15/13	▲ 23/22/18	▲ 23/21/17	▲ 25/23/17

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045 0.85	0.26	0.27	0.68

OIL ANALYSIS REPORT

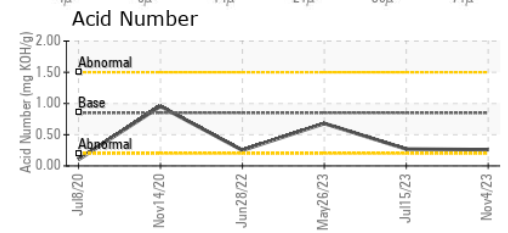
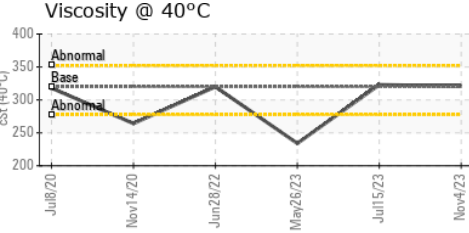
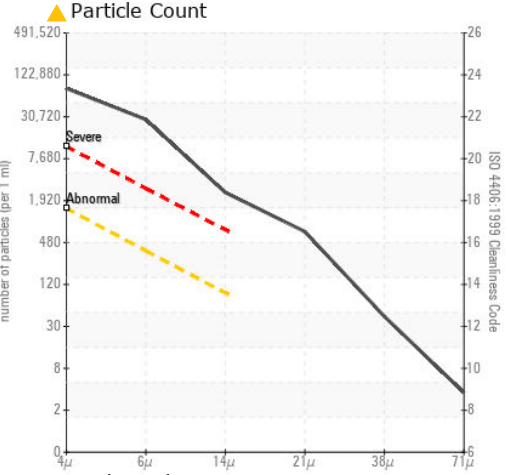
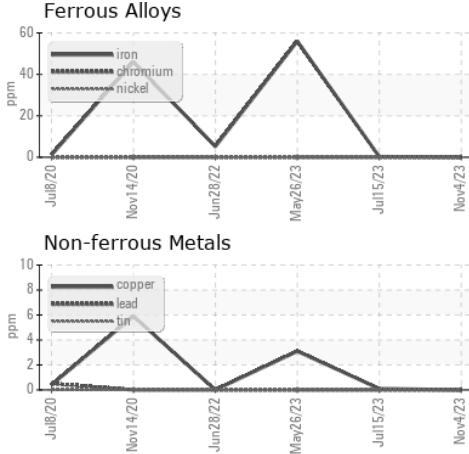


PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	LIGHT
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	321	323 ▲ 234

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0111841 **Received** : 13 Nov 2023
Lab Number : 06005544 **Diagnosed** : 15 Nov 2023
Unique Number : 10739306 **Diagnostician** : 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)