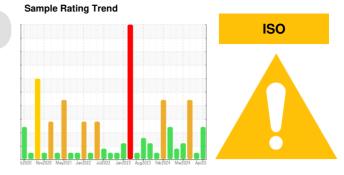


OIL ANALYSIS REPORT

Process Cheese [98968115] BLENDER 2

Component **Gearbox**

GEAR OIL ISO 320 (--- GAL)



DIAGNOSIS

Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The oil change 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

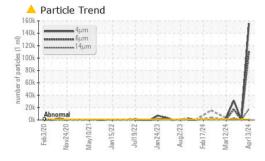
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

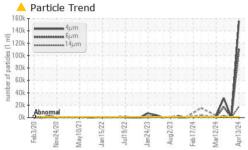
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0117538	PCA0120253	PCA0120249
Sample Date		Client Info		13 Apr 2024	26 Mar 2024	24 Mar 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Filtered	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	32	0	36
Chromium	ppm	ASTM D5185m	>15	<1	0	<1
Nickel	ppm	ASTM D5185m	>15	<1	0	1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	<1	0	<1
Tin	ppm	ASTM D5185m	>25	<1	<1	<1
Vanadium	• • • • • • • • • • • • • • • • • • • •	ASTM D5185m	725	<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
	ppm					
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	<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	50	<1	<1	2
Calcium	ppm	ASTM D5185m	50	<1	0	3
Phosphorus	ppm	ASTM D5185m	350	473	441	464
Zinc	ppm	ASTM D5185m	100	8	0	1
Sulfur						
Sullur	ppm	ASTM D5185m	12500	952	674	1125
		ASTM D5185m method	12500 limit/base	952 current	674 history1	1125 history2
		method			_	
CONTAMINAN Silicon	TS	method	limit/base >50	current	history1	history2
CONTAMINAN Silicon Sodium	TS ppm	method ASTM D5185m	limit/base >50	current 1	history1	history2 <1
CONTAMINAN Silicon	TS ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >50	current 1	history1 0 0	history2 <1 3
CONTAMINAN Silicon Sodium Potassium	TS ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >50 >20	current 1 1 2	history1 0 0 <1	history2 <1 3 4
CONTAMINAN Silicon Sodium Potassium FLUID CLEANL Particles >4µm	TS ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647	limit/base >50 >20 limit/base	current 1 1 2 current	history1 0 0 <1 history1	history2 <1 3 4 history2
CONTAMINAN Silicon Sodium Potassium FLUID CLEANL Particles >4µm Particles >6µm	TS ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647	limit/base >50 >20 limit/base >1300	current 1 1 2 current 1 1 2	history1 0 0 <1 history1 391	history2 <1 3 4 history2 ▲ 31528
CONTAMINAN Silicon Sodium Potassium FLUID CLEANI Particles >4µm Particles >6µm Particles >14µm	TS ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647	limit/base	current 1 1 2 current ▲ 155744 ▲ 110299	history1 0 0 <1 history1 391 104	history2 <1 3 4 history2 ▲ 31528 ▲ 17175
CONTAMINAN Silicon Sodium Potassium FLUID CLEANL Particles >4µm Particles >6µm Particles >14µm Particles >21µm	TS ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647	limit/base >50 >20	current 1 1 2 current ▲ 155744 ▲ 110299 ▲ 17838 ▲ 3542	history1 0 0 <1 history1 391 104 14	history2 <1 3 4 history2 ▲ 31528 ▲ 17175 ▲ 2923
CONTAMINAN Silicon Sodium Potassium FLUID CLEANL Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	TS ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >50 >20 limit/base >1300 >320 >80 >20 >4	current 1 1 2 current ▲ 155744 ▲ 110299 ▲ 17838 ▲ 3542 ▲ 16	history1 0 0 <1 history1 391 104 14 6 0	history2 <1 3 4 history2 ▲ 31528 ▲ 17175 ▲ 2923 ▲ 985 ▲ 152
CONTAMINAN Silicon Sodium Potassium FLUID CLEANL	TS ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >50 >20 limit/base >1300 >320 >80 >20	current 1 1 2 current ▲ 155744 ▲ 110299 ▲ 17838 ▲ 3542	history1 0 0 <1 history1 391 104 14 6	history2 <1 3 4 history2 ▲ 31528 ▲ 17175 ▲ 2923 ▲ 985
CONTAMINAN Silicon Sodium Potassium FLUID CLEANL Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647 ISO 4406 (c)	limit/base >50 >20 limit/base >1300 >320 >80 >20 >4 >3	current 1 1 2 current ▲ 155744 ▲ 110299 ▲ 17838 ▲ 3542 ▲ 16 0	history1 0 0 <1 history1 391 104 14 6 0 0	history2 <1 3 4 history2 ▲ 31528 ▲ 17175 ▲ 2923 ▲ 985 ▲ 152 ▲ 16

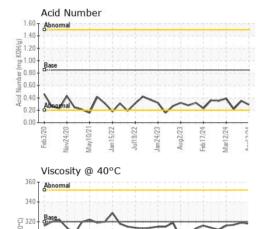
Acid Number (AN)



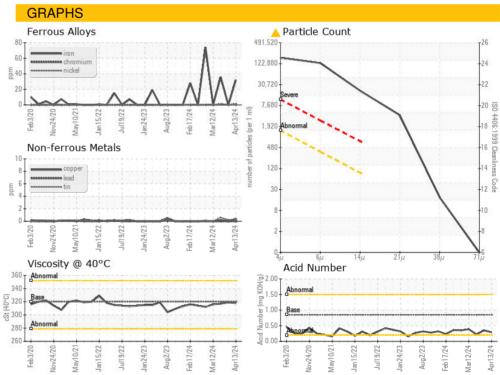
OIL ANALYSIS REPORT













å 300 €



Mar12/24

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06157654 Unique Number: 10993077

: PCA0117538

Received **Tested**

: 23 Apr 2024 : 24 Apr 2024 Diagnosed

: 25 Apr 2024 - Angela Borella

2035 E BENNETT SPRINGFIELD, MO

KraftHeinz - Springfield - Plant 8311 PCA

US 65804 Contact: Service Manager

Test Package : IND 2 (Additional Tests: PrtCount) Certificate 12367 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)

Report Id: KRASPRMO [WUSCAR] 06157654 (Generated: 04/25/2024 19:58:20) Rev: 1

T:

F: