

OIL ANALYSIS REPORT

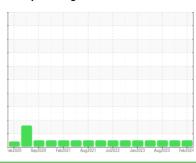
Sample Rating Trend

NORMAL

Process Cheese [98778533] **BLENDER 10**

Component Gearbox

GEAR OIL ISO 320 (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

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.

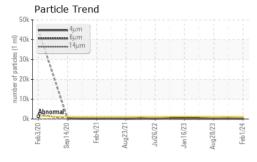
Fluid Condition

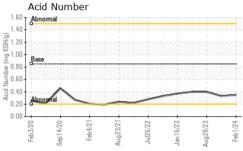
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

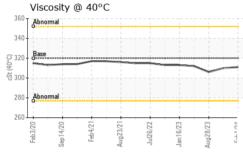
SAMPLE INFOR	MATION	method	limit/base	21 Jul2022 Jan2023 Aug20.		history2
	WATION		IIIIII/Dase	current	history1	
Sample Number		Client Info		PCA0117979	PCA0101649	PCA0094568
Sample Date		Client Info		01 Feb 2024	09 Nov 2023	28 Aug 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Filtered	Filtered	Filtered
Sample Status				NORMAL	NORMAL	NORMAL
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	0	1	0
Chromium	ppm	ASTM D5185m	>15	0	<1	<1
Nickel	ppm	ASTM D5185m	>15	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	2	0
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	<1	<1	<1
Tin	ppm	ASTM D5185m	>25	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	0	0	0
Barium	ppm	ASTM D5185m	15	0	4	0
Molybdenum	ppm	ASTM D5185m	15	0	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium						
ıvıayı ı c siulli	ppm	ASTM D5185m	50	0	0	6
Calcium	ppm	ASTM D5185m ASTM D5185m	50 50	0	0	6 0
Calcium						
	ppm	ASTM D5185m	50	0	0	0
Calcium Phosphorus	ppm ppm	ASTM D5185m ASTM D5185m	50 350	0 423	0 442	0 361
Calcium Phosphorus Zinc	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	50 350 100	0 423 <1	0 442 11	0 361 18
Calcium Phosphorus Zinc Sulfur	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	50 350 100 12500	0 423 <1 843	0 442 11 774	0 361 18 560
Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	50 350 100 12500 limit/base >50	0 423 <1 843	0 442 11 774 history1	0 361 18 560 history2
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	50 350 100 12500 limit/base >50	0 423 <1 843 current	0 442 11 774 history1	0 361 18 560 history2
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	50 350 100 12500 limit/base >50	0 423 <1 843 current 2 0	0 442 11 774 history1 3 0	0 361 18 560 history2 2 <1
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	50 350 100 12500 limit/base >50 >20	0 423 <1 843 current 2 0	0 442 11 774 history1 3 0 <1	0 361 18 560 history2 2 <1 3
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANI	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50 350 100 12500 limit/base >50 >20 limit/base	0 423 <1 843 current 2 0 0	0 442 11 774 history1 3 0 <1	0 361 18 560 history2 2 <1 3 history2
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANI Particles >4µm	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50 350 100 12500 limit/base >50 >20 limit/base >1300	0 423 <1 843 current 2 0 current 192	0 442 11 774 history1 3 0 <1 history1 366	0 361 18 560 history2 2 <1 3 history2 261
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANI Particles >4µm Particles >6µm	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m METHOD ASTM D5185m ASTM D7647 ASTM D7647	50 350 100 12500 limit/base >50 >20 limit/base >1300 >320 >80	0 423 <1 843 current 2 0 current 192 37	0 442 11 774 history1 3 0 <1 history1 366 87	0 361 18 560 history2 2 <1 3 history2 261 54
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANI Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m METHOD ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647	50 350 100 12500 limit/base >50 >20 limit/base >1300 >320 >80	0 423 <1 843 current 2 0 0 current 192 37 5	0 442 11 774 history1 3 0 <1 history1 366 87	0 361 18 560 history2 2 <1 3 history2 261 54 8
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANI Particles >4µm Particles >14µm Particles >21µm	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	50 350 100 12500 limit/base >50 >20 limit/base >1300 >320 >80 >20	0 423 <1 843 current 2 0 0 current 192 37 5	0 442 11 774 history1 3 0 <1 history1 366 87 9 4	0 361 18 560 history2 2 <1 3 history2 261 54 8 3
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANI Particles >4µm Particles >6µm Particles >21µm Particles >38µm	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	50 350 100 12500 limit/base >50 >20 limit/base >1300 >320 >80 >20 >4	0 423 <1 843 current 2 0 0 current 192 37 5 2 0	0 442 11 774 history1 3 0 <1 history1 366 87 9 4 0	0 361 18 560 history2 2 <1 3 history2 261 54 8 3 1
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANI Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm ppm ppm TS ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647	50 350 100 12500 limit/base >50 >20 limit/base >1300 >320 >80 >20 >4 >3	0 423 <1 843 current 2 0 0 current 192 37 5 2 0 0	0 442 11 774 history1 3 0 <1 history1 366 87 9 4 0 0	0 361 18 560 history2 2 <1 3 history2 261 54 8 3 1 0

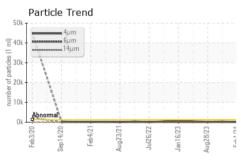


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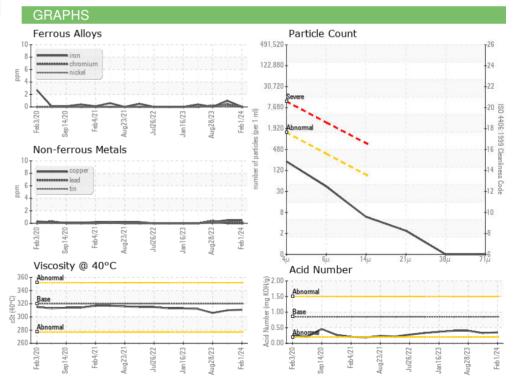
VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIFS	method	limit/base	current	historv1	historv2

I LOID I HOI L	TTTLO					
Visc @ 40°C	cSt	ASTM D445	320	311	310	306.0

SAIVIF	LE IMAGE	.S

Color

Bottom







Laboratory Sample No. Lab Number : 06090128 Unique Number : 10882981

: PCA0117979

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

Tested Diagnosed

: 15 Feb 2024 : 19 Feb 2024

: 19 Feb 2024 - Jonathan Hester

KraftHeinz - Springfield - Plant 8311 PCA

2035 E BENNETT SPRINGFIELD, MO US 65804

Contact: Service Manager

Test Package: IND 2 (Additional Tests: PrtCount) Certificate L2367

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)

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F: