

COOKER 6

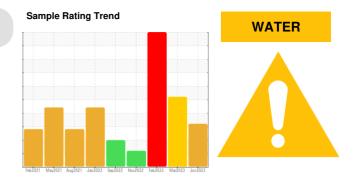
PROBLEM SUMMARY

PROCESS CHEESE [98316595]

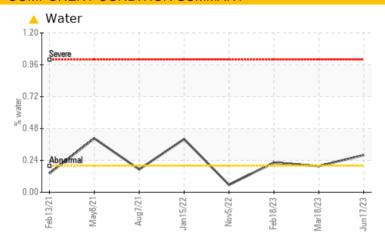
Component

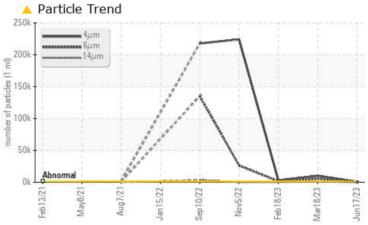
Gearbox

GEAR OIL ISO 320 (--- GAL)



COMPONENT CONDITION SUMMARY





RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATION	PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	ABNORMAL	SEVERE			
Water	%	ASTM D6304	>0.2	△ 0.280	0.197	△ 0.223			
ppm Water	ppm	ASTM D6304	>2000	2800	1970	<u>2230</u>			
Particles >6µm		ASTM D7647	>320	469	<u>▲</u> 5616	<u>▲</u> 1635			
Oil Cleanliness		ISO 4406 (c)	>17/15/13	17/16/13	21/20/17	<u> </u>			
Appearance	scalar	*Visual	NORML	▲ HAZY	▲ HAZY	▲ MILKY			

Customer Id: KRASPRMO Sample No.: PCA0100132 Lab Number: 05887819 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

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

18 Mar 2023 Diag: Don Baldridge

WATER



We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Appearance is hazy. There is a high amount of particulates present in the oil. Free water present. The AN level is acceptable for this fluid.



WEAR



18 Feb 2023 Diag: Don Baldridge

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. Gear wear is indicated. Appearance is milky. There is a high amount of particulates present in the oil. There is a light concentration of water present in the oil. Free water present. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



05 Nov 2022 Diag: Jonathan Hester

ISO



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 silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

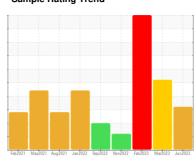
Sample Rating Trend

PROCESS CHEESE [98316595] **COOKER 6**

Component

Gearbox

GEAR OIL ISO 320 (--- GAL)





DIAGNOSIS

Recommendation

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.

Contamination

Appearance is hazy. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. There is a light concentration of water present in the oil.

Fluid Condition

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

					23 Jun2023	
SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0100132	PCA0088296	PCA0081565
Sample Date		Client Info		17 Jun 2023	18 Mar 2023	18 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	SEVERE
WEAR METAL	.S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>200	70	131	834
Chromium	ppm	ASTM D5185m	>15	0	<1	5
Nickel	ppm	ASTM D5185m	>15	0	<1	4
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	1	2
Lead	ppm	ASTM D5185m	>100	0	<1	0
Copper	ppm	ASTM D5185m	>200	0	<1	2
Tin	ppm		>25	0	0	0
Vanadium	ppm	ASTM D5185m	-	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	ρρ	method	limit/base	-	history 1	history 2
Boron	ppm	ASTM D5185m	50	0	0	0
Barium	ppm	ASTM D5185m	15	14	<1	0
Molybdenum	ppm	ASTM D5185m	15	0	0	1
Manganese	ppm	ASTM D5185m		<1	1	8
Magnesium	ppm	ASTM D5185m	50	14	<1	9
Calcium	ppm	ASTM D5185m	50	4	0	3
Phosphorus	ppm	ASTM D5185m	350	397	547	541
Zinc	ppm	ASTM D5185m	100	29	6	9
Sulfur	ppm	ASTM D5185m	12500	1158	1473	1291
CONTAMINAN	NTS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>50	1	3	5
Sodium	ppm	ASTM D5185m		5	0	7
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
Water	%	ASTM D6304	>0.2	△ 0.280	0.197	△ 0.223
opm Water	ppm	ASTM D6304	>2000	2800	1970	<u>2230</u>
FLUID CLEAN	LINESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647	>1300	861	▲ 10309	▲ 3001
Particles >6µm		ASTM D7647	>320	469	▲ 5616	<u>▲</u> 1635
Particles >14µm		ASTM D7647	>80	80	956	<u></u> 278
Particles >21µm		ASTM D7647	>20	27	▲ 322	<u></u> 94
Particles >38µm		ASTM D7647	>4	4	▲ 50	<u> </u>
Particles >71µm		ASTM D7647	>3	0	<u>^</u> 5	1
Oil Cleanliness		ISO 4406 (c)	>17/15/13	17/16/13	<u>△</u> 21/20/17	△ 19/18/15
FLUID DEGRA	DATION	method	limit/base	current	history 1	history 2
Acid Number (ANI)	ma 1/011/a	ACTM DODAE	0.05	0.06	0.00	0.00

Acid Number (AN)

0.32

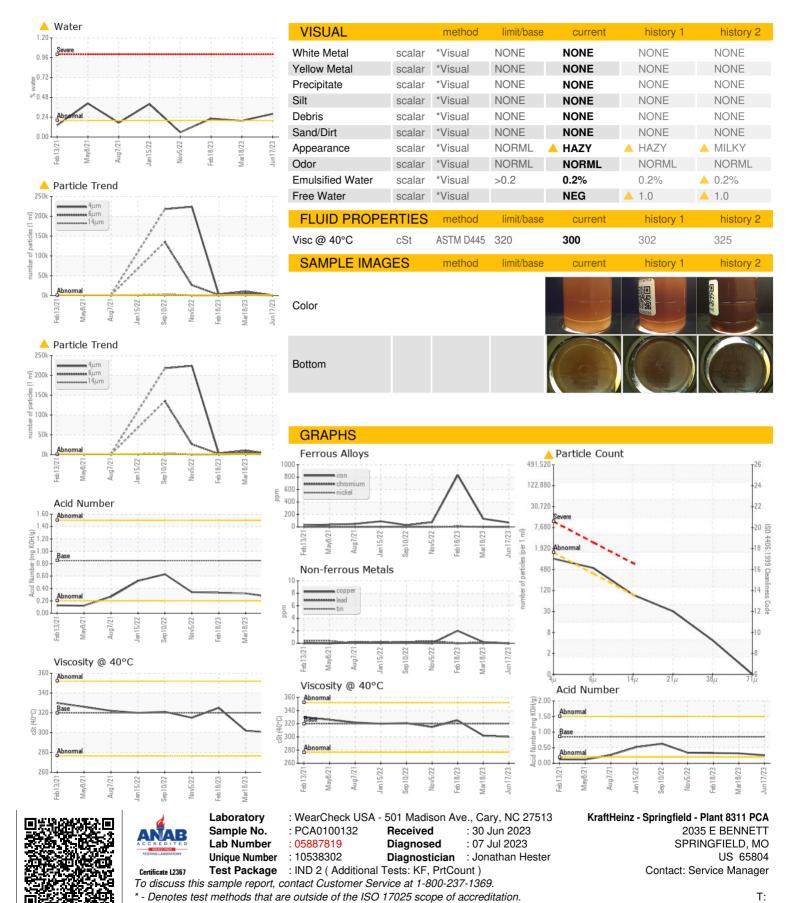
0.26

mg KOH/g ASTM D8045 0.85

0.33



OIL ANALYSIS REPORT



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: