

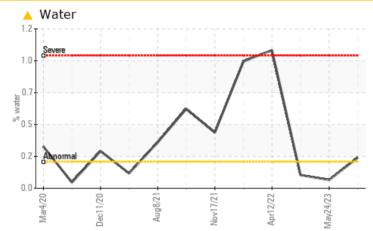
PROBLEM SUMMARY

Area COOK ROOM 1 [10023447936] Machine Id B53369 NORTH THERMABLEND COOKER 1 (S/N 1800938426000002) Component

Gearbox

PETRO CANADA PURITY FG EP GEAR OIL 220 (39 LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS										
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL				
Water	%	ASTM D6304	>0.2	A 0.230		0.063				
ppm Water	ppm	ASTM D6304	>2000	A 2300		630				
Appearance	scalar	*Visual	NORML	🔺 HAZY	NORML	A HAZY				

Customer Id: PRODUB Sample No.: WCI2329416 Lab Number: 05934293 Test Package: IND 2



To manage this report scan the QR code

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

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



There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



We recommend you service the filters on this component. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

24 May 2023 Diag: Jonathan Hester

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Appearance is hazy. Free water present. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

07 Feb 2023 Diag: Jonathan Hester



We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. Appearance is hazy. 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







OIL ANALYSIS REPORT

Area **COOK ROOM 1 [10023447936]** Machine Id **B53369 NORTH THERMABLEND COOKER 1 (S/N 1800938426000002)** Component

Gearbox

PETRO CANADA PURITY FG EP GEAR OIL 220 (39 LTR)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

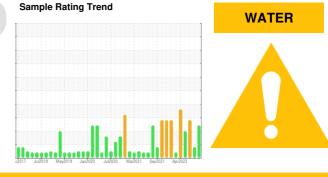
All component wear rates are normal.

Contamination

Appearance is hazy. There is a light concentration of water present 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 INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WCI2329416	WC0358832	WC0775071
Sample Date		Client Info		23 Aug 2023	05 Jul 2023	24 May 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	123	71	70
Chromium	ppm	ASTM D5185m	>15	1	<1	<1
Nickel	ppm	ASTM D5185m	>15	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		1	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	2
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	<1	<1	0
Tin	ppm	ASTM D5185m		0	<1	0
Vanadium	ppm	ASTM D5185m	220	<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		2	3	0
Calcium	ppm	ASTM D5185m		25	16	10
Phosphorus	ppm	ASTM D5185m		607	476	375
Zinc	ppm	ASTM D5185m		10	4	0
Sulfur	ppm	ASTM D5185m		1528	1416	1363
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	6	4	2
Sodium	ppm	ASTM D5185m		6	4	2
Potassium	ppm	ASTM D5185m	>20	2	2	<1
Water	%	ASTM D6304	>0.2	A 0.230		0.063
ppm Water	ppm	ASTM D6304	>2000	A 2300		630
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1401	129167	
Particles >6µm		ASTM D7647	>5000	763	2 4414	
Particles >14µm		ASTM D7647	>640	130	107	
Particles >21µm		ASTM D7647	>160	44	17	
Particles >38µm		ASTM D7647	>40	7	3	
Particles >71µm		ASTM D7647	>10	1	2	
Oil Cleanliness		ISO 4406 (c)	>/19/16	18/17/14	▲ 24/22/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.51	0.50	0.59	0.34



Acid Number

1.00

(B/H0.80 20.6

Pio 0.2

0.00

240

230

22

0-0€ 210

200

19

180

600

400

300

100

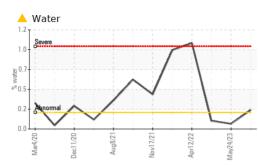
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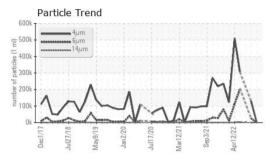
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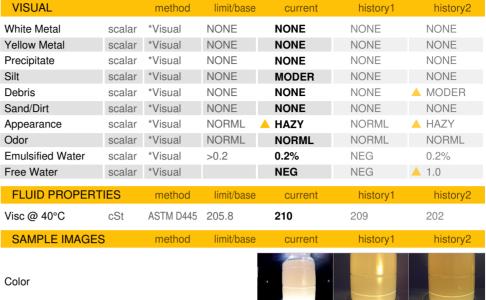
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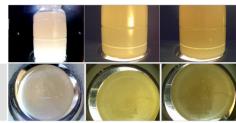
OIL ANALYSIS REPORT





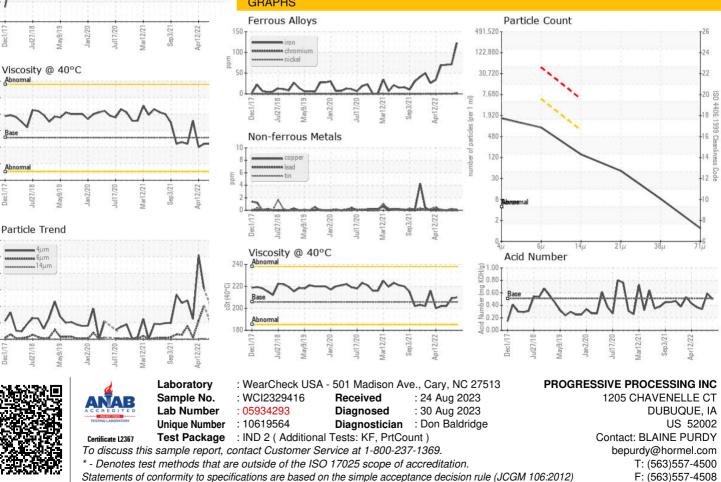






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Contact/Location: BLAINE PURDY - PRODUB