

# **PROBLEM SUMMARY**

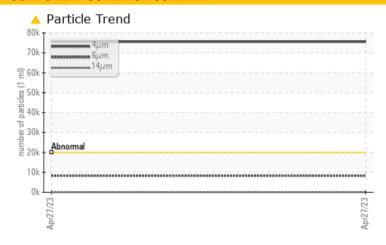
# BATCH SYSTEM 7 **BS7NA HOMOGENIZER CRANKCASE**

Component Gearbox

PETRO CANADA PURITY FG SYN GEAR ISO 220 (--- LTR)

# Sample Rating Trend **WATER**

## **COMPONENT CONDITION SUMMARY**



## RECOMMENDATION

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL			
Particles >4µm		ASTM D7647	>20000	<b>75549</b>			
Particles >6µm		ASTM D7647	>5000	<b>8327</b>			
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>23/20/13</b>			
Appearance	scalar	*Visual	NORML	▲ HAZY			
Free Water	scalar	*Visual		<b>1.0</b>			

Customer Id: KRAMASIOW Sample No.: USP234440 Lab Number: 05835337 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

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

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Water Drain-off			?	We advise that you follow the water drain-off procedure for this component.		
Check Water Access			?	We advise that you check for the source of water entry.		
Other Action (see Note)	DONE	May 17 2023	?	No recommended actions		



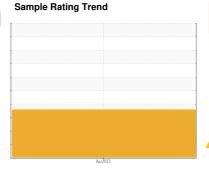
# **OIL ANALYSIS REPORT**

# BATCH SYSTEM 7 **BS7NA HOMOGENIZER CRANKCASE**

Component

Gearbox

PETRO CANADA PURITY FG SYN GEAR ISO 220 (--- LTR)





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## Recommendation

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

## Wear

All component wear rates are normal.

## Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil. Free water present.

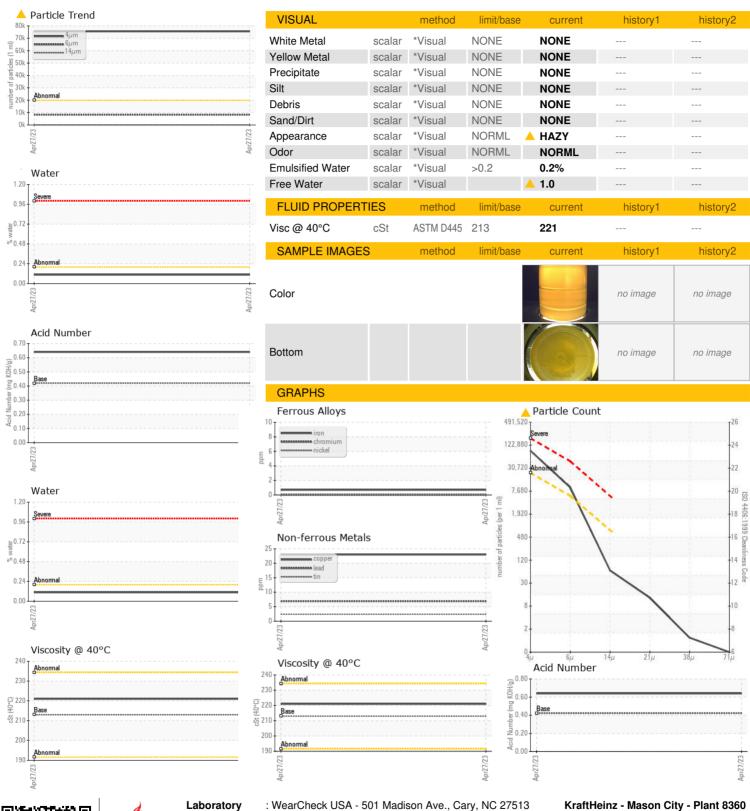
## **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

				Apr2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP234440		
Sample Date		Client Info		27 Apr 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<1		
Chromium	ppm	ASTM D5185m	>15	0		
Nickel	ppm	ASTM D5185m	>15	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>100	7		
Copper	ppm	ASTM D5185m	>200	23		
Tin	ppm	ASTM D5185m	>25	2		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		1		
Calcium	ppm	ASTM D5185m		3		
Phosphorus	ppm	ASTM D5185m		419		
Zinc	ppm	ASTM D5185m		7		
Sulfur	ppm	ASTM D5185m		2068		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.2	0.107		
ppm Water	ppm	ASTM D6304	>2000	1070		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<b>75549</b>		
Particles >6µm		ASTM D7647	>5000	<b>8327</b>		
Particles >14μm		ASTM D7647	>640	57		
Particles >21µm		ASTM D7647	>160	11		
Particles >38µm		ASTM D7647	>40	1		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>23/20/13</b>		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.42	0.64		



# **OIL ANALYSIS REPORT**





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package

: USP234440 : 05835337

: IND 2

Received Diagnosed : 10454140

: 04 May 2023 : Doug Bogart Diagnostician

: 02 May 2023

KraftHeinz - Mason City - Plant 8360

1022 12TH ST MASON CITY, IA US 50401

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) F: (641)421-2936

Contact/Location: Service Manager - KRAMASIOW

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