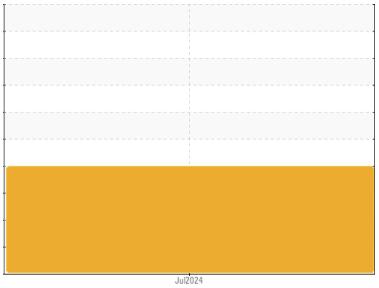
PROBLEM SUMMARY

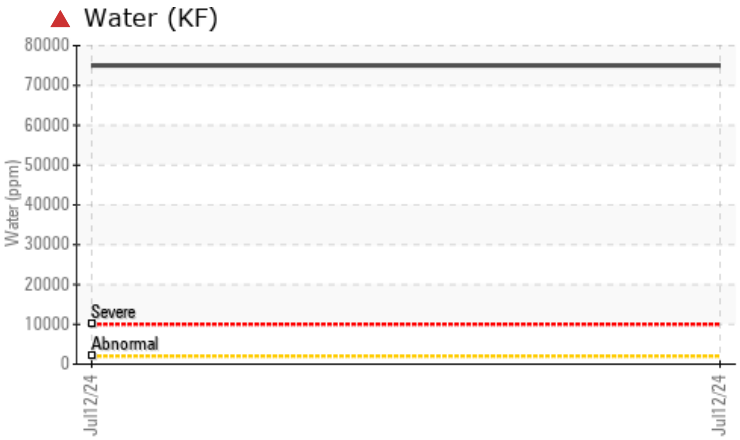
Sample Rating Trend



WATER

Area
PRE
Machine Id
2 EXTRUDER
Component
Gearbox
Fluid
PETRO CANADA ENDURATEX EP 320 (16 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count.

PROBLEMATIC TEST RESULTS

Sample Status				**SEVERE**	---	---
Water	%	ASTM D6304	>0.2	▲ **7.50**	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ **75000**	---	---
Emulsified Water	scalar	*Visual	>0.2	▲ **0.2%**	---	---

Customer Id: BLURICIN
Sample No.: WC0965387
Lab Number: 06239136
Test Package: PLANT

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
customerservice@wearcheck.com

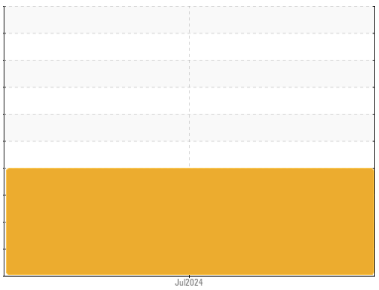
RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Area
PRE
Machine Id
2 EXTRUDER
Component
Gearbox
Fluid
PETRO CANADA ENDURATEX EP 320 (16 GAL)

DIAGNOSIS

▲ Recommendation
We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count.

Wear
All component wear rates are normal.

▲ Contamination
There is a very high concentration of water present in the oil.

Fluid Condition
The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0965387**	---	---
Sample Date		Client Info		**12 Jul 2024**	---	---
Machine Age	days	Client Info		**0**	---	---
Oil Age	days	Client Info		**0**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**SEVERE**	---	---

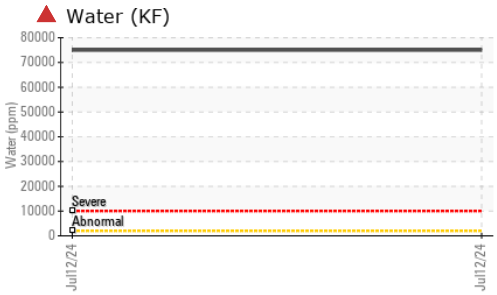
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		**72**	---	---
Iron	ppm	ASTM D5185m	>200	**110**	---	---
Chromium	ppm	ASTM D5185m	>15	**<1**	---	---
Nickel	ppm	ASTM D5185m	>15	**<1**	---	---
Titanium	ppm	ASTM D5185m		**0**	---	---
Silver	ppm	ASTM D5185m		**0**	---	---
Aluminum	ppm	ASTM D5185m	>25	**1**	---	---
Lead	ppm	ASTM D5185m	>100	**0**	---	---
Copper	ppm	ASTM D5185m	>200	**<1**	---	---
Tin	ppm	ASTM D5185m	>25	**1**	---	---
Vanadium	ppm	ASTM D5185m		**0**	---	---
Cadmium	ppm	ASTM D5185m		**0**	---	---

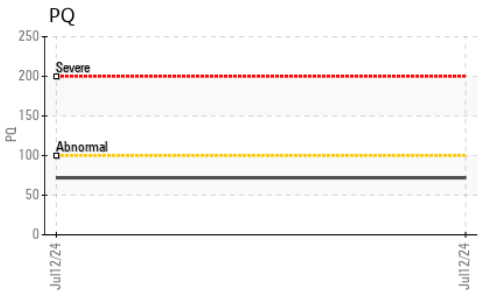
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	55	**4**	---	---
Barium	ppm	ASTM D5185m	0	**1**	---	---
Molybdenum	ppm	ASTM D5185m	0	**0**	---	---
Manganese	ppm	ASTM D5185m	0	**<1**	---	---
Magnesium	ppm	ASTM D5185m	0	**3**	---	---
Calcium	ppm	ASTM D5185m	0	**19**	---	---
Phosphorus	ppm	ASTM D5185m	240	**406**	---	---
Zinc	ppm	ASTM D5185m	1	**19**	---	---
Sulfur	ppm	ASTM D5185m	13700	**6650**	---	---

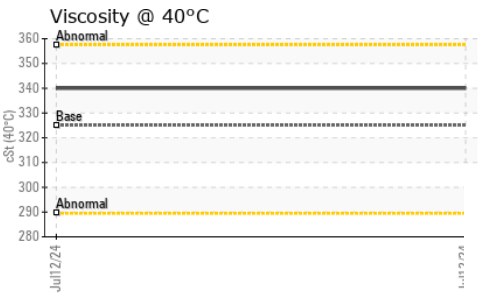
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**9**	---	---
Sodium	ppm	ASTM D5185m		**4**	---	---
Potassium	ppm	ASTM D5185m	>20	**7**	---	---
Water	%	ASTM D6304	>0.2	▲ **7.50**	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ **75000**	---	---

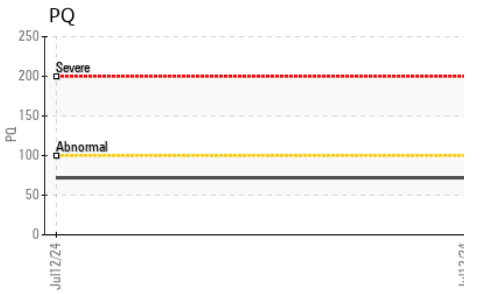
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	**0.84**	---	---

OIL ANALYSIS REPORT







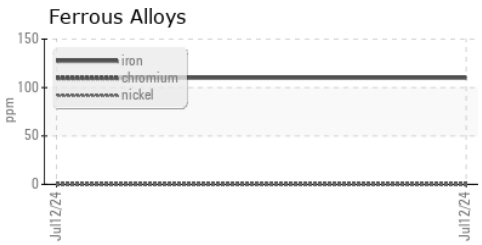


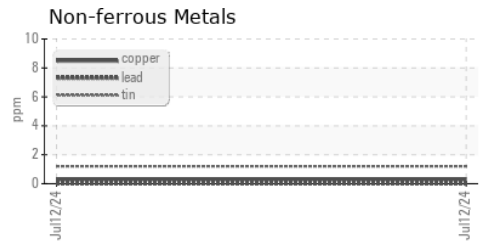
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	---	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	---	---
Precipitate	scalar	*Visual	NONE	**NONE**	---	---
Silt	scalar	*Visual	NONE	**NONE**	---	---
Debris	scalar	*Visual	NONE	**NONE**	---	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	---	---
Appearance	scalar	*Visual	NORML	**MILKY**	---	---
Odor	scalar	*Visual	NORML	**NORML**	---	---
Emulsified Water	scalar	*Visual	>0.2	**0.2%**	---	---
Free Water	scalar	*Visual		**NEG**	---	---

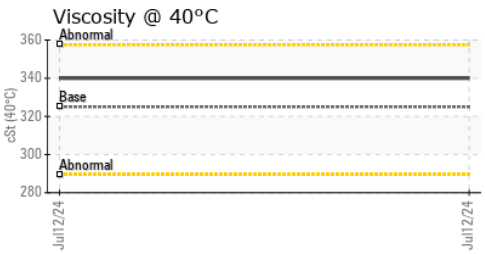
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	325	**340**	---	---

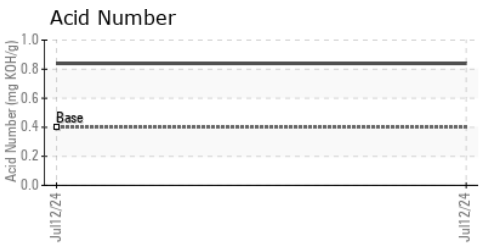
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

GRAPHS









Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0965387
Lab Number : 06239136
Unique Number : 11127970
Test Package : PLANT

Received : 17 Jul 2024
Tested : 19 Jul 2024
Diagnosed : 19 Jul 2024 - Don Baldridge

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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Report Id: BLURICIN [WUSCAR] 06239136 (Generated: 07/21/2024 12:57:47) Rev: 1

Submitted By: KEVIN KEITH