

PROBLEM SUMMARY

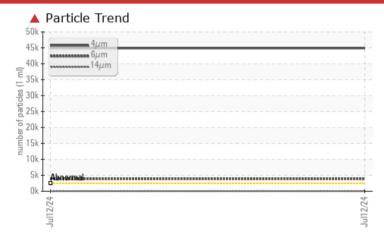
Area
PRE **S PATH DRAG**

Component **Gearbox**

PETRO CANADA ENDURATEX EP 320 (9 GAL)

Sample Rating Trend

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

PROBLEMATIC TEST RESULTS								
Sample Status			SEVERE					
Particles >4µm	ASTM D7647	>2500	44901					
Particles >6µm	ASTM D7647	>640	3899					
Oil Cleanliness	ISO 4406 (c)	>18/16/13	23/19/13					

Customer Id: BLURICIN Sample No.: WC0965380 Lab Number: 06239137 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

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 Filter			?	We recommend you service the filters on this component.			
Resample			?	Resample in 30-45 days to monitor this situation.			
Check Breathers			?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.			
Check Seals			?	Check seals and/or filters for points of contaminant entry.			

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

PRE **S PATH DRAG**

Gearbox

PETRO CANADA ENDURATEX EP 320 (9 G

Sample Rating Trend

DIAGNOSIS

Recommendation

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible. The system cleanliness code is much higher than the acceptable limit for the target ISO 4406 cleanliness code.

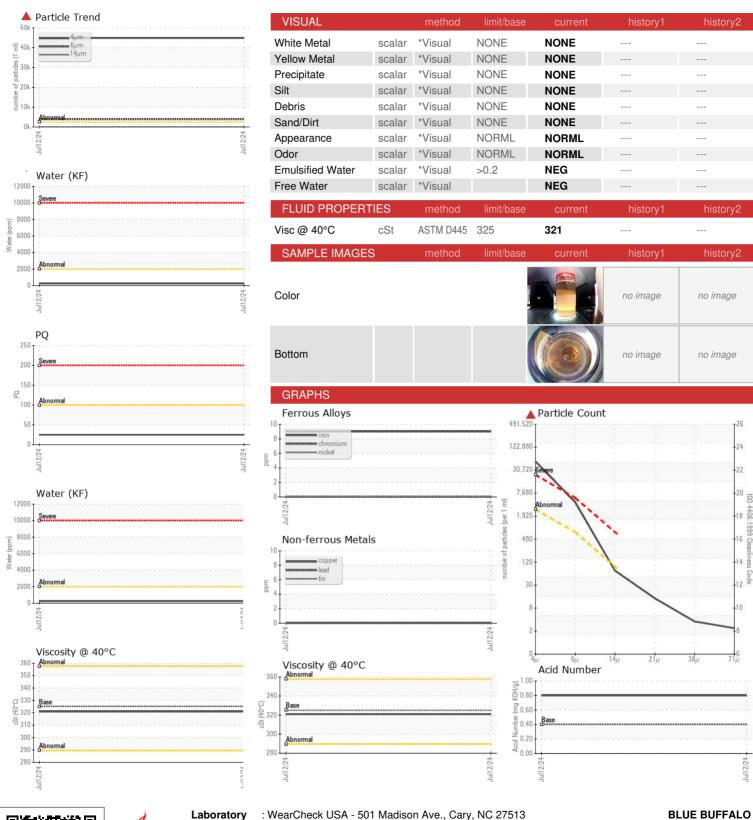
Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

AL)				Jul2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0965380		
Sample Date		Client Info		12 Jul 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				SEVERE		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		25		
Iron	ppm	ASTM D5185m	>200	9		
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	0		
Copper	ppm	ASTM D5185m	>200	0		
Tin	ppm	ASTM D5185m	>25	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	55	19		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	0	4		
Manganese	ppm	ASTM D5185m	0	0		
Magnesium	ppm	ASTM D5185m	0	2		
Calcium	ppm	ASTM D5185m	0	84		
Phosphorus	ppm	ASTM D5185m	240	419		
Zinc	ppm	ASTM D5185m	1	<1		
Sulfur	ppm	ASTM D5185m	13700	6472		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	<1		
Nater	%	ASTM D6304	>0.2	0.024		
opm Water	ppm	ASTM D6304	>2000	246		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	44901		
Particles >6µm		ASTM D7647	>640	A 3899		
Particles >14μm		ASTM D7647	>80	63		
Particles >21µm		ASTM D7647	>20	12		
Particles >38μm		ASTM D7647	>4	3		
Particles >71μm		ASTM D7647	>3	2		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	23/19/13		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WC0965380 Lab Number : 06239137 Unique Number : 11127971

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received Tested Diagnosed Test Package : PLANT

: 17 Jul 2024 : 18 Jul 2024 : 18 Jul 2024 - Wes Davis 4748 WEST INDUSTRIES ROAD RICHMOND, IN US 47374

Contact: KEVIN KEITH kkeith@bluebuff.com T: (765)200-6535

 st - 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)

Report Id: BLURICIN [WUSCAR] 06239137 (Generated: 07/18/2024 10:40:18) Rev: 1

Submitted By: KEVIN KEITH