

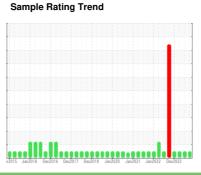
## **OIL ANALYSIS REPORT**

# OIL ANAL 1515 REPORT

# RP-101 Machine Id B57005 COOKER FEED SCREW

Component **Gearbox** 

PETRO CANADA ENDURATEX EP 320 (--- GAL)





#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

#### **Fluid Condition**

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

GAL)		n2015 Jan201	G Dec2016 Dec2017 Dec	2018 Jan2020 Jan2021 Jan2022	Des2022	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0842550	WC0814175	WC0774952
Sample Date		Client Info		27 Sep 2023	16 Jun 2023	22 Mar 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				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	18	16	7
Chromium	ppm	ASTM D5185m	>15	<1	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	<1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	0	0
Tin	ppm	ASTM D5185m	>25	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	55	38	35	24
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	<1	0	0
Calcium	ppm	ASTM D5185m	0	3	0	1
Phosphorus	ppm	ASTM D5185m	240	417	464	404
Zinc	ppm	ASTM D5185m	1	31	15	17
Sulfur	ppm	ASTM D5185m	13700	5839	6510	5865
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	13	10	8
Sodium	ppm	ASTM D5185m		1	1	0
Potassium	ppm	ASTM D5185m	>20	2	<1	1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	4732	11240	10798
Particles >6µm		ASTM D7647	>5000	760	2493	1898
Particles >14μm		ASTM D7647	>640	31	277	81
Particles >21µm		ASTM D7647	>160	7	93	13
Particles >38µm		ASTM D7647	>40	1	5	2
Particles >71µm		ASTM D7647	>10	1	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	19/17/12	21/18/15	21/18/14
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
	1/011:					

Acid Number (AN) mg KOH/g ASTM D8045 0.4

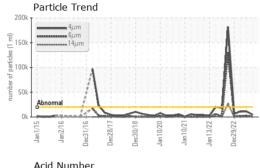
1.61

2.00

1.32



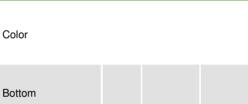
### **OIL ANALYSIS REPORT**



VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

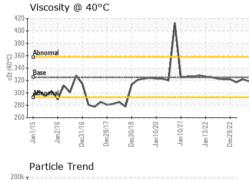
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E 1.00		~							
Acid Number (mg KOH/g)	$\Lambda I$								
9	<b>'</b>								
0.00		91			-				-
Jan1/15	Jan2/16		)ec28/1	30/18	10/2	Jan 10/2	13/2	29/2	
Jar	Jai	Dec31	Dec	Dec30/	Jan1	Jan	Jan13/	Dec29/	

FLUID PROPER	TIES	method	limit/base		history1	history2
Visc @ 40°C	cSt	ASTM D445	325	319	322	317



SAMPLE IMAGES







Ferrous Alloys		Particle Count	
Airon_(		491,520 Severe	
- chromium		122,880	
11	1	30,720 Abnormal	
		- <sub>= 7,680</sub>	
Jan 2/16 Jan 2/16 Dec 31/16 Dec 28/17	Jan 10/20 Jan 10/21 Jan 13/22 Dec29/22	1,920	
Non-ferrous Metals	, , , ,	1,920 1,920 480	
copper		120 - mg mnu	
sessessesses till		30	
		8-	
Jan 1/15 Jan 2/16 Dec 31/16 Dec 28/17 Dec 30/18	Jan 10/20 Jan 10/21 Jan 13/22 Dec29/22	2-	
Jan Dec3 Dec3	Jan 10/20 Jan 10/21 Jan 13/22 Dec 29/22	0	
Viscosity @ 40°C		Acid Number	l8μ 71
hadron the contract		Passe V 9 0.00 Base V 9 0.00 B	
Abnormal Base	<u> </u>	£1.50	
Base O-Ahnosmal		g 1.00	$\sim$
	EX DESCRIPTION OF THE PROPERTY	≥ 0.50 Base	



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Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10674305

: 05967754

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0842550

: 03 Oct 2023 Received Diagnosed

: 05 Oct 2023 Diagnostician : Jonathan Hester

Test Package : IND 2 ( Additional Tests: PrtCount ) 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)

**HORMEL FOODS - AUSTIN** 

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