

## **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



OR938 Component Rear Left Final Drive

# PETRO CANADA PRODURO TO-4 SAE 30 (5 LTR)

### DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Machine Id

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

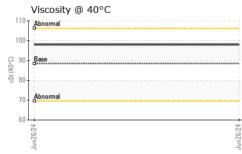
#### Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0124535		
Sample Date		Client Info		26 Jun 2024		
Machine Age	hrs	Client Info		11423		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>800	180		
Chromium	ppm	ASTM D5185(m)	>10	<1		
Nickel	ppm	ASTM D5185(m)	>5	<1		
Titanium	ppm	ASTM D5185(m)	>15	1		
Silver	ppm	ASTM D5185(m)	>2	0		
Aluminum	ppm	ASTM D5185(m)	>75	16		
Lead	ppm	ASTM D5185(m)	>10	0		
Copper	ppm	ASTM D5185(m)	>75	<1		
Tin	ppm	ASTM D5185(m)	>8	0		
Antimony	ppm	ASTM D5185(m)	>50	0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	29		
Barium	ppm	ASTM D5185(m)	0	<1		
Molybdenum	ppm	ASTM D5185(m)	0	1		
Manganese	ppm	ASTM D5185(m)	9	1		
Magnesium	ppm	ASTM D5185(m)	1	27		
Calcium	ppm	ASTM D5185(m)	3131	2909		
Phosphorus	ppm	ASTM D5185(m)	1194	933		
Zinc	ppm	ASTM D5185(m)	1281	1164		
Sulfur	ppm	ASTM D5185(m)	3811	4368		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>400	60		
Sodium	ppm	ASTM D5185(m)		6		
Potassium	ppm	ASTM D5185(m)	>20	6		



## **OIL ANALYSIS REPORT**



VISUAL		method	limit/base	current	history1	history2
White Meta	l scalar	Visual*	NONE	VLITE		
Yellow Meta		Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	VLITE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	e scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified	Water scalar	Visual*	>0.2	NEG		
Free Water	scalar	Visual*		NEG		
FLUID F	PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°	C cSt	ASTM D7279(m)	88.5	98.0		
SAMPL	E IMAGES	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image
GRAPH	IS					
Iron (ppn	n)			Lead (ppm)		
2000 Severe			30	Ouvoio		
튭 1000 - Abnormal			트 <sup>20</sup> 된 10	Abnormal		
0			- 0	1		
Jun26/24			Jun26/24	Jun26/24		4 <i>0</i> ,30,000
⊰ Aluminum	n (ppm)		Ju	⊰ Chromium (pr	om)	-
200 Severe	. (FF)		30			
톱 100 - Abnormal			탄 <sup>20</sup> 10	Abnormal		
				Abnormal		
24+0			0	24		20
Jun 26/24			Jun26/24	Jun 26/24		4 C 2 C 2 C
	Copper (ppm)			Silicon (ppm)		-
200 Severe			1000	D. State		
톱 100 - Abnormal			톱 500	Abnormal		
Jun 26/24			6/24	6/24		6/74
,			Jun26/24	Jun26/24		20'9Cuil
Viscosity	@ 40°C		3000	Additives		
				calcium		
3 100 - Base 3 80 - Abnormal		****	E 2000	- Phosphorus 2inc	3	
60 L -				4		
Jun26/24			Jun26/24	Jun26/24		4 <i>0</i> .30
Jur			Jur	Ju.		_
aboratory : WearCheck - ample No. : GFL0124535 ab Number : 02644939 nique Number : 5802478	C8-1175 Appleby Rece Teste Diagr	ived : 02 ed : 02	ngton, ON L7L 2 Jul 2024 2 Jul 2024 2 Jul 2024 - Kevin			Lafleche - Landfi Lafleche Road bose Creek, ON CA K0C 1W0

 Laboratory
 Test Package
 : MOB 1

 To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

 Validity of results and interpretation are based on the sample and information as supplied.

Trizs Laneche Road, Moose Creek, ON CA KOC 1W0 Contact: Charles Bergeron cbergeron@gflenv.com T: (613)538-4853 F:

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CALA

ISO 17025:2017 Accredited Laboratory

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Submitted By: Charles Bergeron
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