

## **OIL ANALYSIS REPORT**

Sample Rating Trend





**Front Differential** 

PETRO CANADA DURATRAN ALL-SEASON (--- GAL)

## DIAGNOSIS

#### Recommendation

## Wear

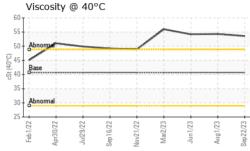
### Contamination

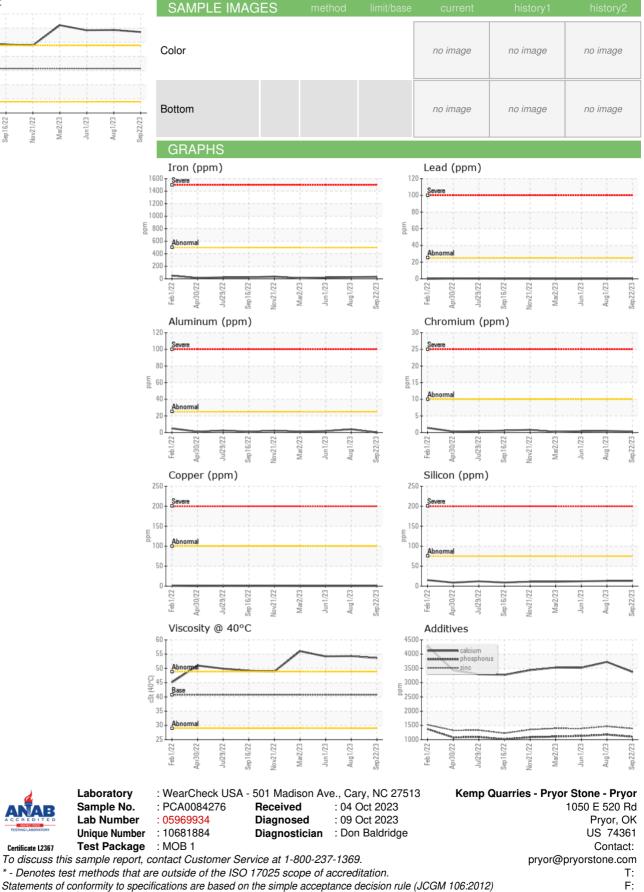
#### Fluid Condition

DIAGNOSIS	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		PCA0084276	PCA0084053	PCA0084004
Resample at the next service interval to monitor. (	Sample Date		Client Info		22 Sep 2023	01 Aug 2023	01 Jun 2023
Customer Sample Comment: Pm4 performed. All	Machine Age	hrs	Client Info		8861	8481	8070
oil samples taken. All oils, and all filters changed.)	Oil Age	hrs	Client Info		1977	1597	1186
Wear	Oil Changed		Client Info		Changed	Oil Added	Oil Added
All component wear rates are normal.	Sample Status				NORMAL	NORMAL	NORMAL
Contamination There is no indication of any contamination in the	WEAR META	LS	method	limit/base	current	history1	history2
oil.	Iron	ppm	ASTM D5185m	>500	32	27	19
Fluid Condition	Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
The condition of the oil is acceptable for the time in	Nickel	ppm	ASTM D5185m	>10	0	0	<1
service.	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	0	4	2
	Lead	ppm	ASTM D5185m	>25	<1	0	0
	Copper	ppm	ASTM D5185m		0	0	0
	Tin	ppm	ASTM D5185m		0	<1	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		119	123	127
	Barium	ppm	ASTM D5185m		0	0	2
	Molybdenum	ppm	ASTM D5185m		۲ ح1	0	1
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		28	25	25
	Calcium	ppm	ASTM D5185m		3373	3727	3521
	Phosphorus	ppm	ASTM D5185m		1104	1176	1132
	Zinc	ppm	ASTM D5185m		1389	1466	1390
	Sulfur	ppm	ASTM D5185m		3362	4161	4505
	CONTAMINA		method	limit/base		history1	history2
	Silicon	ppm	ASTM D5185m	>75	13	13	12
	Sodium	ppm	ASTM D5185m	>15	1	1	0
	Potassium	ppm	ASTM D5185m	>20	0	0	<1
	VISUAL	ppin	method	limit/base	-	history1	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	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water		*Visual		NEG	NEG	NEG
	Free Water	scalar scalar	*Visual	>.2	NEG	NEG	NEG
	FLUID PROPI			limit/base		history1	history2
Report Id: KEMPRY [WUSCAR] 05969934 (Generated: 10/12/2023	Visc @ 40°C 20:16:40) Rev: 1	cSt	ASTM D445	40.7	53.6	54.3	54.2 Submitted By:



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Certificate L2367