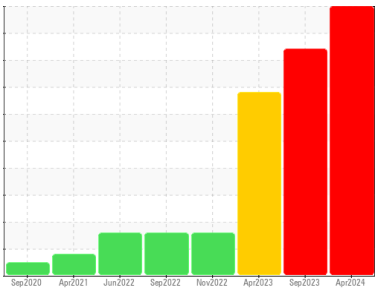
OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Machine Id
819007
Component
Transmission (Auto)
Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)

DIAGNOSIS

▲ Recommendation
Nous vous recommandons de vérifier tous les endroits par lesquels de la saleté peut pénétrer dans le système. Nous vous recommandons de vidanger le fluide de ce composant si vous ne l`avez pas déjà fait. Nous vous recommandons d`échantillonner de nouveau dès que possible afin de contrôler la situation.

▲ Wear
Usure des engrenages. Il y a indication d'usure du convertisseur de couple. Le haut indice ferreux (PQ) indique la présence d'une usure anormale.

▲ Contamination
Concentration modérée de saleté dans le fluide. Une grande quantité de saleté a provoqué une usure abrasive du composant.

▲ Fluid Condition
La viscosité de le fluide est supérieure à la normale, ce qui est un indice possible de l`ajout d`une huile plus lourde. le fluide n'est plus en état de service en raison d'une usure anomale et/ou sévère.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PC0088243**	PC0078542	PC0072942
Sample Date		Client Info		**30 Apr 2024**	25 Sep 2023	06 Apr 2023
Machine Age	kms	Client Info		**85718**	0	68676
Oil Age	kms	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**SEVERE**	SEVERE	SEVERE

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	NEG	NEG

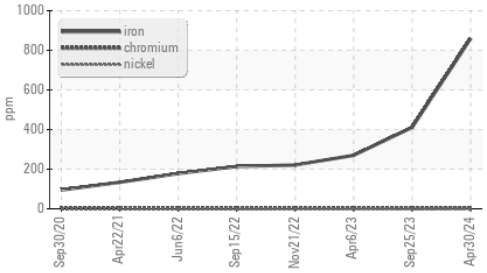
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*	>50	▲ **53**	15	2
Iron	ppm	ASTM D5185(m)	>160	▲ **859**	▲ 411	▲ 270
Chromium	ppm	ASTM D5185(m)	>5	**3**	1	<1
Nickel	ppm	ASTM D5185(m)	>5	**1**	<1	<1
Titanium	ppm	ASTM D5185(m)		**<1**	0	<1
Silver	ppm	ASTM D5185(m)	>5	**0**	<1	0
Aluminum	ppm	ASTM D5185(m)	>50	▲ **84**	▲ 80	▲ 74
Lead	ppm	ASTM D5185(m)	>50	**38**	32	29
Copper	ppm	ASTM D5185(m)	>225	**60**	28	23
Tin	ppm	ASTM D5185(m)	>10	**5**	5	5
Antimony	ppm	ASTM D5185(m)		**0**	0	0
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Beryllium	ppm	ASTM D5185(m)		**0**	0	0
Cadmium	ppm	ASTM D5185(m)		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	78	**70**	73	72
Barium	ppm	ASTM D5185(m)		**<1**	<1	0
Molybdenum	ppm	ASTM D5185(m)	0	**0**	<1	<1
Manganese	ppm	ASTM D5185(m)		**9**	4	3
Magnesium	ppm	ASTM D5185(m)	0	**3**	2	4
Calcium	ppm	ASTM D5185(m)	113	**87**	87	87
Phosphorus	ppm	ASTM D5185(m)	222	**207**	235	256
Zinc	ppm	ASTM D5185(m)		**219**	22	18
Sulfur	ppm	ASTM D5185(m)	1326	**904**	903	953
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

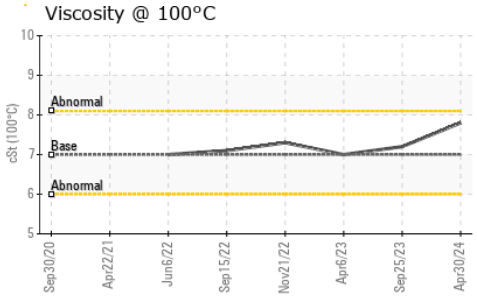
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	▲ **30**	▲ 23	19
Sodium	ppm	ASTM D5185(m)		**30**	11	11
Potassium	ppm	ASTM D5185(m)	>20	**4**	4	3

OIL ANALYSIS REPORT

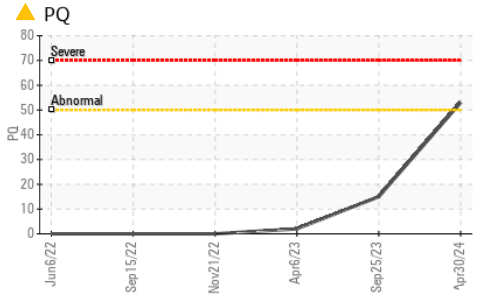
Ferrous Alloys



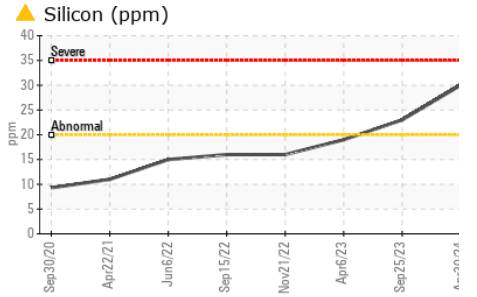
Viscosity @ 100°C



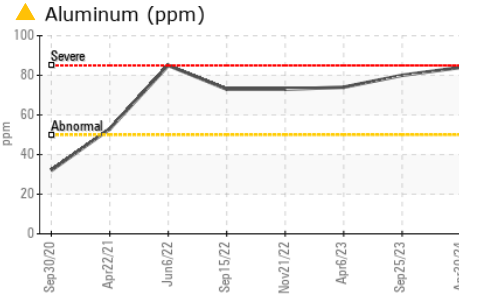
PQ



Silicon (ppm)

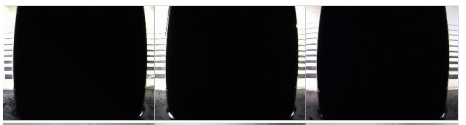


Aluminum (ppm)



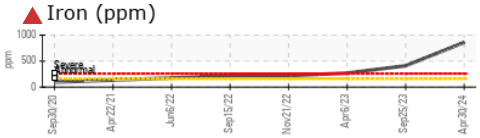
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Precipitate	scalar	Visual*	NONE	**NONE**	NONE	NONE
Silt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Debris	scalar	Visual*	NONE	**NONE**	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	**LIGHT**	NONE	NONE
Appearance	scalar	Visual*	NORML	**NORML**	NORML	NORML
Odor	scalar	Visual*	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	**NEG**	NEG	NEG
Free Water	scalar	Visual*		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	▲ **40.4**	37.2	36.3
Visc @ 100°C	cSt	ASTM D7279(m)	7.0	**7.8**	7.2	7
Viscosity Index (VI)	Scale	ASTM D2270*	167	**167**	160	157

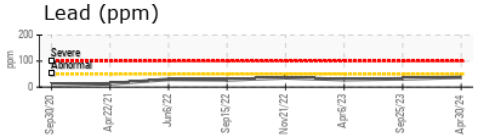
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS

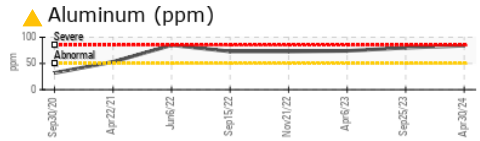
Iron (ppm)



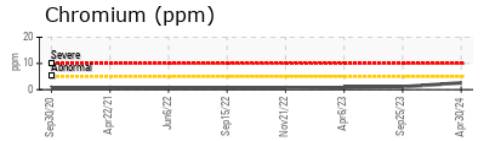
Lead (ppm)



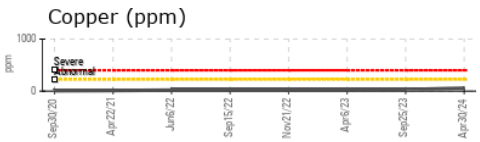
Aluminum (ppm)



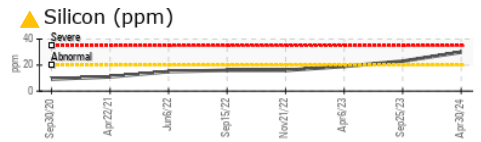
Chromium (ppm)



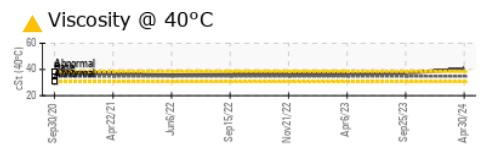
Copper (ppm)



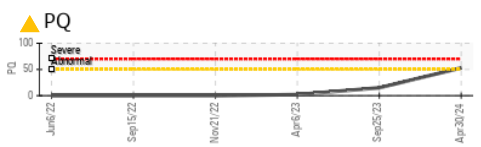
Silicon (ppm)



Viscosity @ 40°C



PQ



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088243
Lab Number : 02633190
Unique Number : 5774343
Test Package : MOB 1 (Additional Tests: KV100, PQ, VI)

Received : 03 May 2024
Tested : 03 May 2024
Diagnosed : 05 May 2024 - Kevin Marson

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.

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