



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id

445

Component

Transmission

Fluid

PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. (Customer Sample Comment: Oil Duron 10w30 semisynth)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0915149	WC0933430	WC0846898
Sample Date		Client Info		07 May 2024	12 Apr 2024	06 Oct 2023
Machine Age	kms	Client Info		462411	458302	426031
Oil Age	kms	Client Info		4109	32271	31088
Filter Age	kms	Client Info		4109	32271	31088
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Les taux d'usure de tous les composants sont normaux.

Iron	ppm	ASTM D5185(m)	>200	6	24	27
Chromium	ppm	ASTM D5185(m)	>10	<1	2	2
Nickel	ppm	ASTM D5185(m)		0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>50	2	11	11
Lead	ppm	ASTM D5185(m)	>50	0	0	<1
Copper	ppm	ASTM D5185(m)	>200	1	3	4
Tin	ppm	ASTM D5185(m)	>10	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

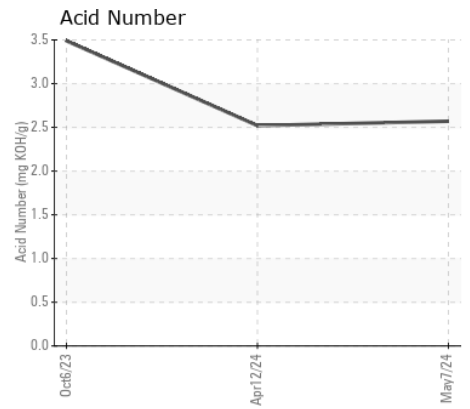
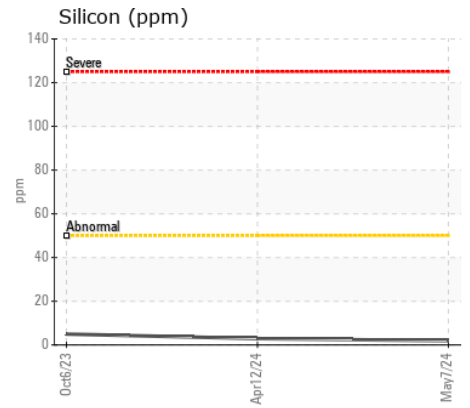
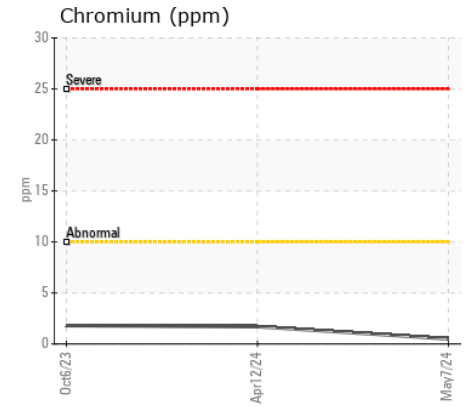
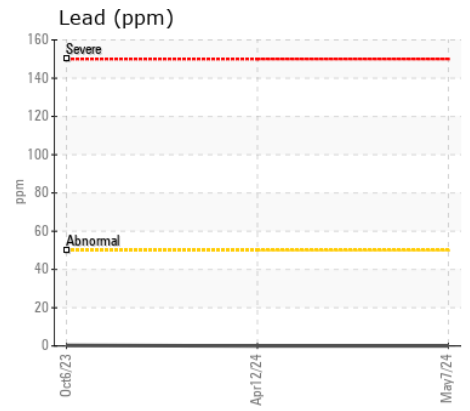
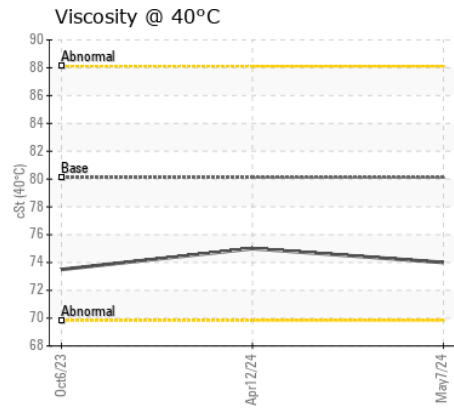
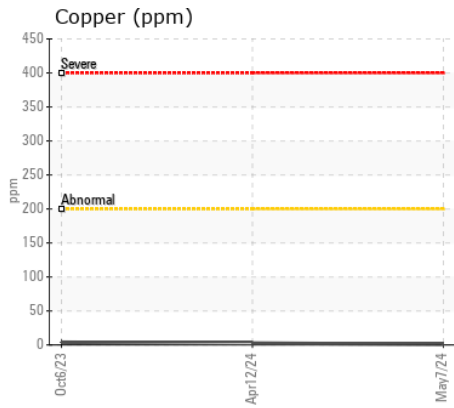
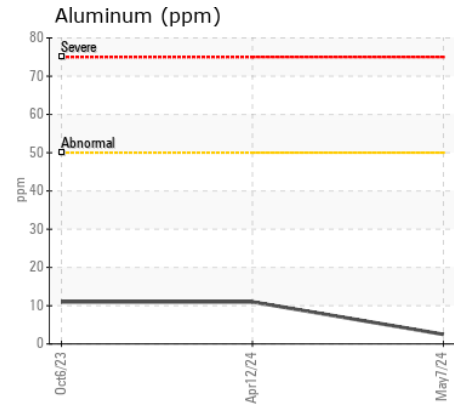
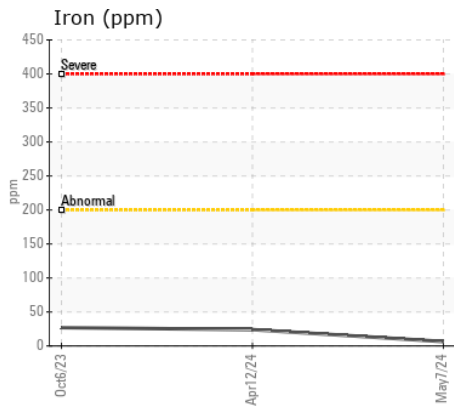
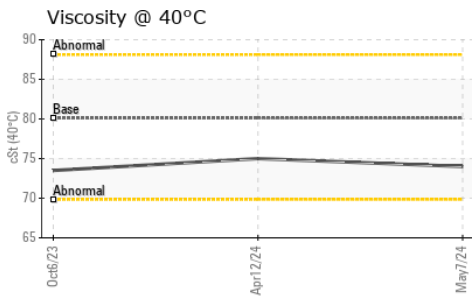
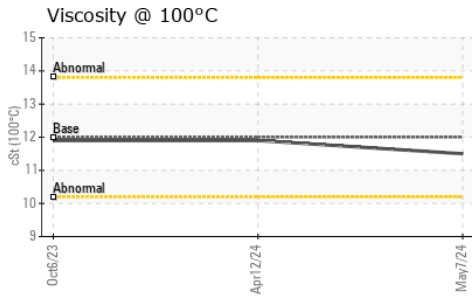
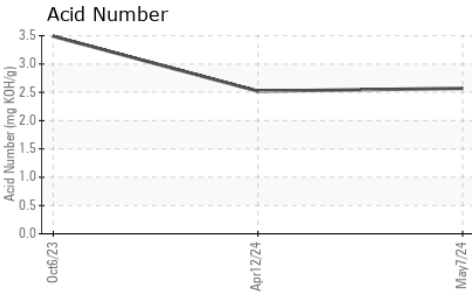
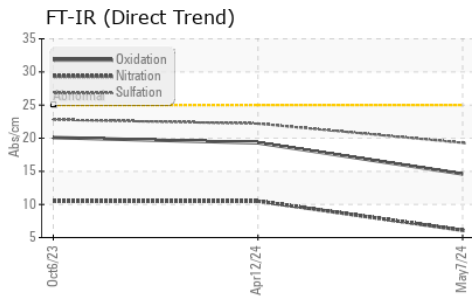
Il n'y a aucun indice de contamination dans le fluide.

Silicon	ppm	ASTM D5185(m)	>50	2	3	5
Potassium	ppm	ASTM D5185(m)	>20	<1	2	3
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	0.4	0.5
Nitration	Abs/cm	ASTM D7624*		6.1	10.5	10.5
Sulfation	Abs/.1mm	ASTM D7415*		19.3	22.2	22.8
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	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	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

Le AN est acceptable pour ce fluide. L'état de le fluide permet d'en prolonger l'utilisation.

Sodium	ppm	ASTM D5185(m)		2	4	6
Boron	ppm	ASTM D5185(m)	2	13	11	15
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	57	61	63
Manganese	ppm	ASTM D5185(m)	0	0	<1	0
Magnesium	ppm	ASTM D5185(m)	950	965	1039	1151
Calcium	ppm	ASTM D5185(m)	1050	965	967	910
Phosphorus	ppm	ASTM D5185(m)	995	990	980	1034
Zinc	ppm	ASTM D5185(m)	1180	1163	1197	1276
Sulfur	ppm	ASTM D5185(m)	2600	2608	2462	2680
Oxidation	Abs/.1mm	ASTM D7414*		14.6	19.3	20.1
Acid Number (AN)	mg KOH/g	ASTM D974*		2.57	2.52	3.49
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	74.0	75.0	73.5
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.5	11.9	11.9
Viscosity Index (VI)	Scale	ASTM D2270*	144	148	154	157



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0915149 **Received** : 21 May 2024
Lab Number : 02636593 **Tested** : 22 May 2024
Unique Number : 5785755 **Diagnosed** : 22 May 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: FT-IR, KV100, TAN Man, VI)

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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