



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
INTERNATIONAL 1055

Component
Diesel Engine

Fluid
PETRO CANADA DURON SAE 10W30 (--- GAL)

RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0072211	PC0072765	PC0066940
Sample Date		Client Info		18 Sep 2023	10 May 2023	10 May 2023
Machine Age	kms	Client Info		384244	356859	356859
Oil Age	kms	Client Info		27385	22009	22009
Filter Age	kms	Client Info		27385	22009	22009
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)	>100	33	26	17
Chromium	ppm	ASTM D5185(m)	>20	<1	1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	6	5	4
Lead	ppm	ASTM D5185(m)	>40	<1	0	0
Copper	ppm	ASTM D5185(m)	>330	2	2	<1
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

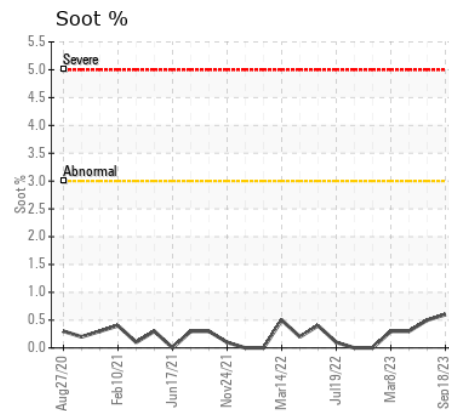
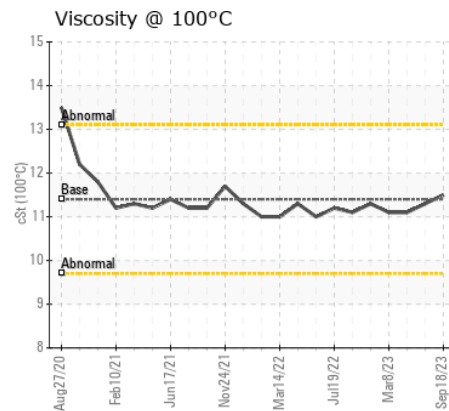
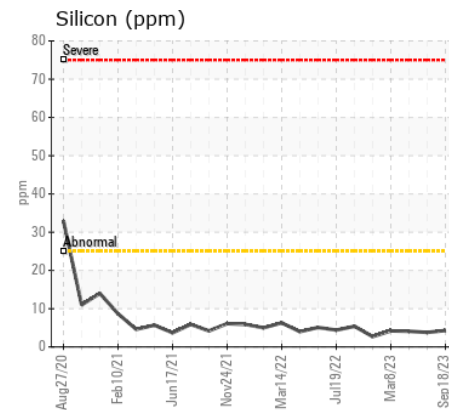
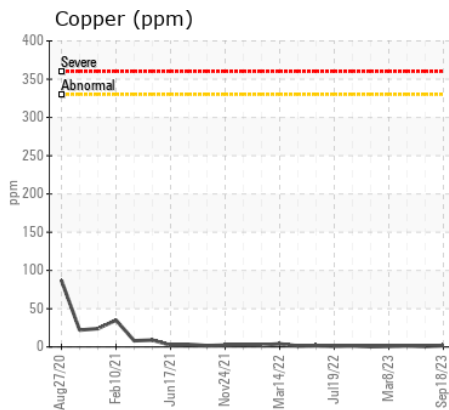
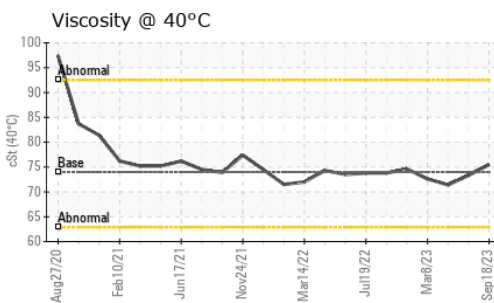
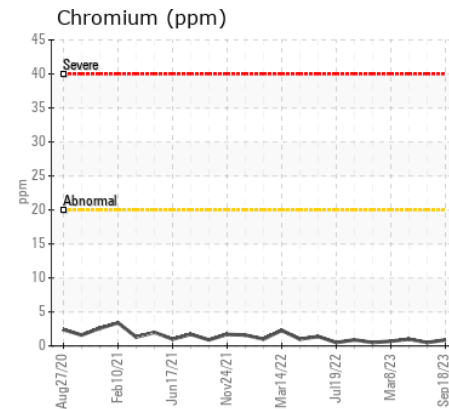
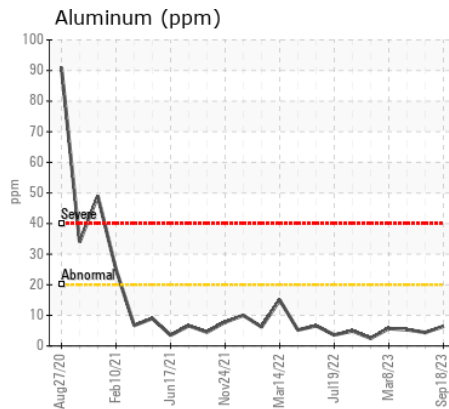
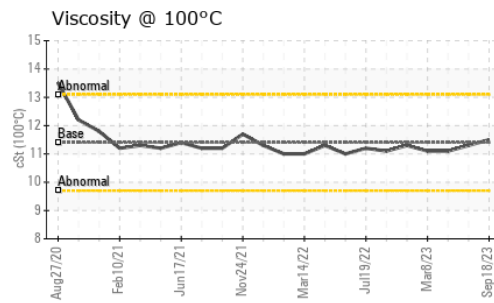
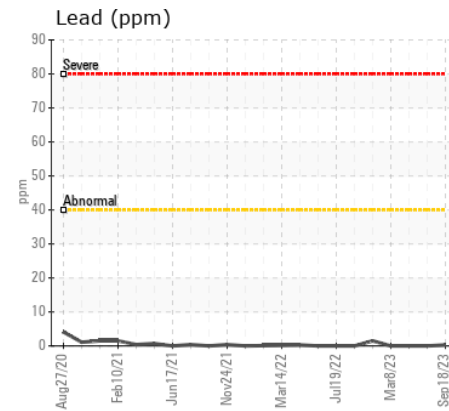
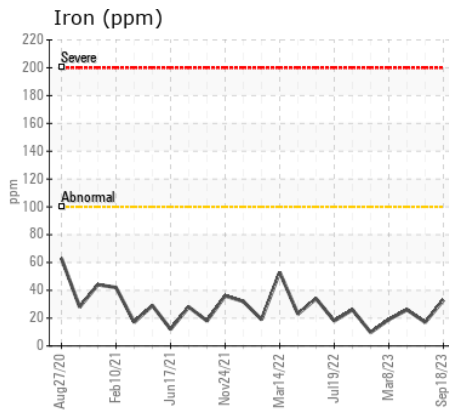
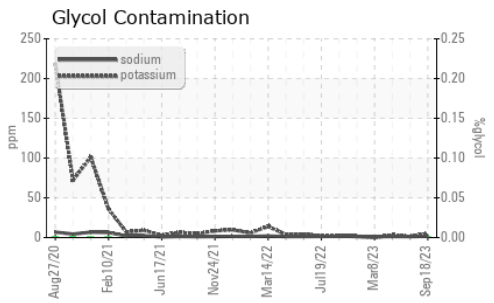
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	4	4	4
Potassium	ppm	ASTM D5185(m)	>20	5	3	1
Fuel		WC Method	>2.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.6	0.5	0.3
Nitration	Abs/cm	ASTM D7624*	>20	12.3	12.1	9.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.0	21.9	19.3
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		2	1	1
Boron	ppm	ASTM D5185(m)	1	<1	1	2
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	1	59	58	57
Manganese	ppm	ASTM D5185(m)	1	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	10	943	952	935
Calcium	ppm	ASTM D5185(m)	2942	1072	1026	1065
Phosphorus	ppm	ASTM D5185(m)	1102	970	996	1052
Zinc	ppm	ASTM D5185(m)	1351	1163	1158	1160
Sulfur	ppm	ASTM D5185(m)	3903	2499	2442	2564
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.3	18.9	16.4
Visc @ 40°C	cSt	ASTM D7279(m)	74.0	75.5	73.3	71.4
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	11.5	11.3	11.1
Viscosity Index (VI)	Scale	ASTM D2270*	146	145	146	146



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0072211 **Received** : 12 Jan 2024
Lab Number : 02608487 **Diagnosed** : 15 Jan 2024
Unique Number : 5709573 **Diagnostician** : Wes Davis
Test Package : MOB 1 (Additional Tests: Glycol, KV40, VI)

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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.