



USURE	ANORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

INTERNATIONAL 323

Composant

Moteur diesel

Fluide

PETRO CANADA DURON SAE 10W30 (--- LTR)

RECOMMENDATION

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		PC0075391	PC0072773	PC0067694
Date d'échant.		Client Info		09 May 2023	09 May 2023	27 Feb 2023
Âge d la Machine	kms	Client Info		469126	469126	450518
Âge de l'huile	kms	Client Info		56773	56773	380165
Âge du filtre	kms	Client Info		56773	56773	380165
Huile changée		Client Info		Changed	Changed	Not Changd
Filtre changé		Client Info		Changed	Changed	Not Changd
Statut de l'échant.				ABNORMAL	NORMAL	NORMAL

USURE

Usure de cylindre, de vilebrequin ou d'arbre à cames.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184*		0	---	---
Fer	ppm	ASTM D5185(m)	>100	▲ 105	95	31
Chrome	ppm	ASTM D5185(m)	>20	3	3	2
Nickel	ppm	ASTM D5185(m)	>4	0	<1	<1
Titane	ppm	ASTM D5185(m)		0	0	<1
Argent	ppm	ASTM D5185(m)	>3	<1	<1	0
Aluminium	ppm	ASTM D5185(m)	>20	10	9	6
Plomb	ppm	ASTM D5185(m)	>40	5	4	3
Cuivre	ppm	ASTM D5185(m)	>330	2	2	<1
Étain	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Métal blanc	scalar	Visual*	NONE	NONE	NONE	VLITE
Bronze	scalar	Visual*	NONE	NONE	NONE	NONE

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.

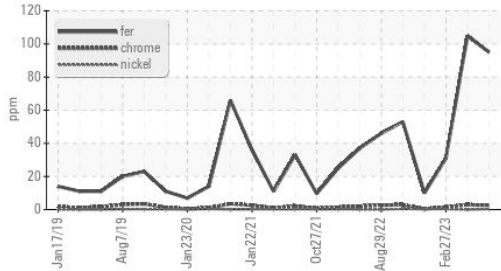
Silicium	ppm	ASTM D5185(m)	>25	6	5	4
Potassium	ppm	ASTM D5185(m)	>20	13	13	5
Essence		WC Method	>2.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	0.0
% de suie	%	ASTM D7844*	>3	0.8	0.7	0.3
Nitration	Abs/cm	ASTM D7624*	>20	13.7	12.7	11.8
Sulfatation	Abs/.1mm	ASTM D7415*	>30	25.8	23.5	21.3
Limon	scalar	Visual*	NONE	NONE	NONE	NONE
Débris	scalar	Visual*	NONE	NONE	NONE	NONE
Saleté	scalar	Visual*	NONE	VLITE	VLITE	NONE
Apparence	scalar	Visual*	NORML	NORML	NORML	NORML
Odeur	scalar	Visual*	NORML	NORML	NORML	NORML
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

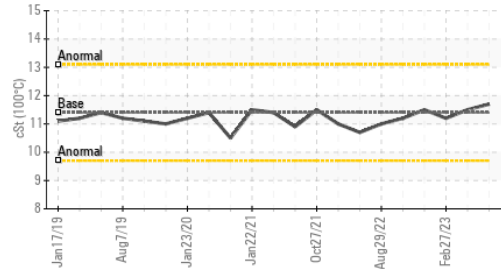
L'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Sodium	ppm	ASTM D5185(m)		2	4	2
Bore	ppm	ASTM D5185(m)	1	1	3	2
Baryum	ppm	ASTM D5185(m)	1	0	0	0
Molybdène	ppm	ASTM D5185(m)	1	62	62	61
Manganèse	ppm	ASTM D5185(m)	1	1	1	<1
Magnésium	ppm	ASTM D5185(m)	10	1009	1000	986
Calcium	ppm	ASTM D5185(m)	2942	1088	1095	1139
Phosphore	ppm	ASTM D5185(m)	1102	1059	1090	1102
Zinc	ppm	ASTM D5185(m)	1351	1216	1217	1225
Soufre	ppm	ASTM D5185(m)	3903	2391	2450	2606
Oxydation	Abs/.1mm	ASTM D7414*	>25	21.5	20.0	18.5
Visc 40°C	cSt	ASTM D7279(m)	74.0	78.8	76.6	74.6
Visc 100°C	cSt	ASTM D7279(m)	11.4	11.7	11.5	11.2
Indice de viscosité (VI)	Scale	ASTM D2270*	146	141	142	140

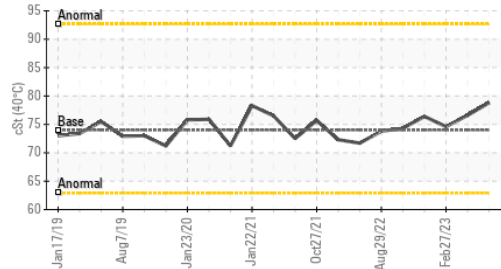
▲ **Alliages ferreux**



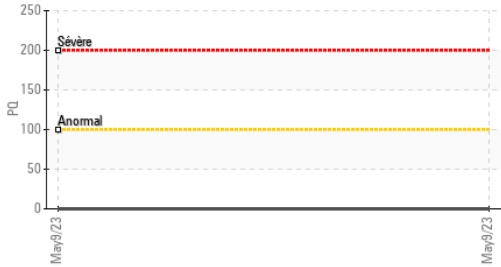
Viscosité 100°C



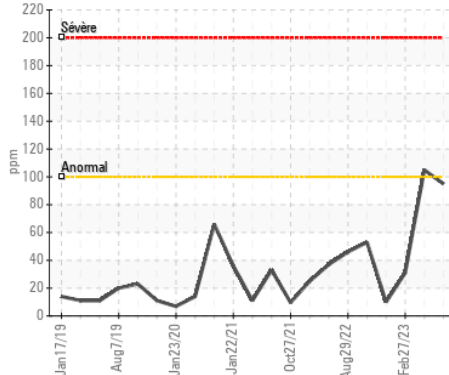
Viscosité 40°C



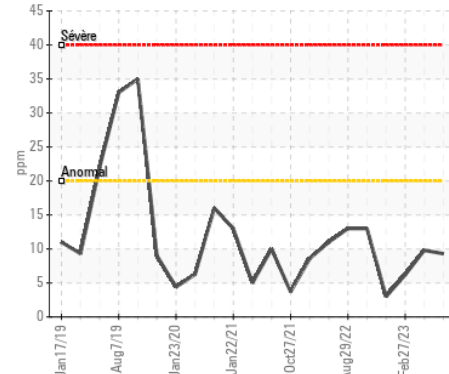
PQ



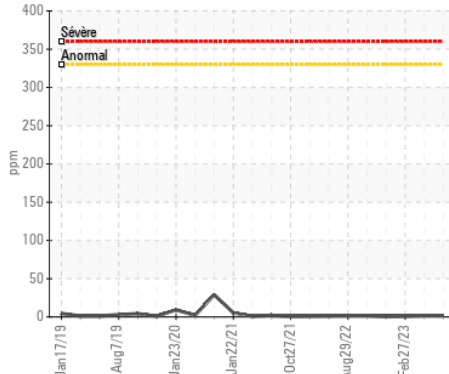
▲ **Fer (ppm)**



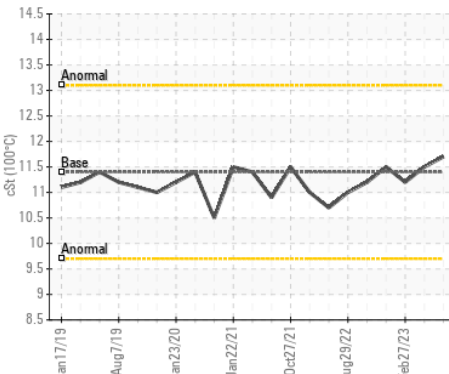
Aluminium (ppm)



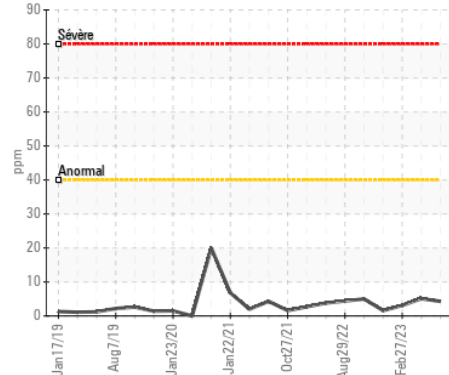
Cuivre (ppm)



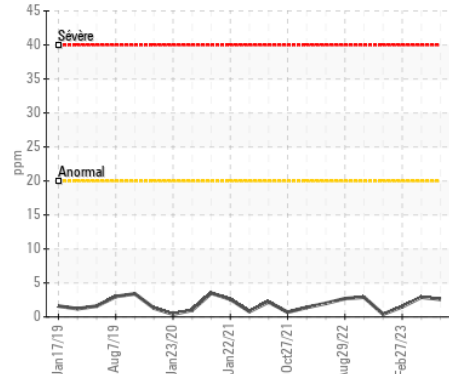
Viscosité 100°C



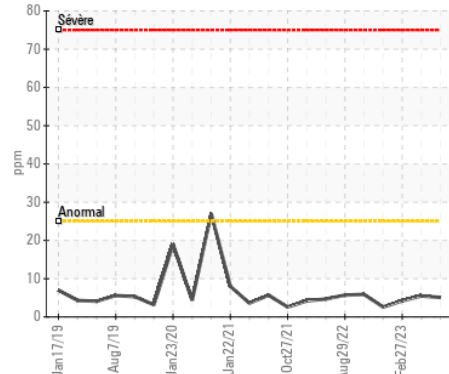
Plomb (ppm)



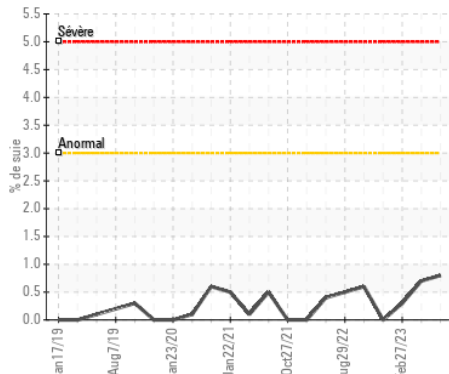
Chrome (ppm)



Silicium (ppm)



% de suie



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Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : PC0075391
N° de laboratoire : 02577354
Numéro unique : 5630414
Analyse : MOB 1 (Additional Tests: KV40, PQ, VI, Visual)

Reçu : 22 Aug 2023
Diagnostiqué : 23 Aug 2023
Diagnostiqueur : Kevin Marson

Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.

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