



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

INTERNATIONAL 52910

Composant

Moteur diesel

Fluide

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0877552	WC0836030	WC0813014
Date d'échant.		Client Info		02 Nov 2023	07 Sep 2023	16 Jun 2023
Âge d la Machine	mls	Client Info		134966	102013	69475
Âge de l'huile	mls	Client Info		35101	43128	35241
Âge du filtre	mls	Client Info		35101	43128	35241
Huile changée		Client Info		Changed	Changed	N/A
Filtre changé		Client Info		Changed	Changed	N/A
Statut de l'échant.				NORMAL	NORMAL	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	15	20	22
Chrome	ppm	ASTM D5185(m)	>20	1	1	1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titane	ppm	ASTM D5185(m)		0	0	0
Argent	ppm	ASTM D5185(m)	>3	<1	<1	<1
Aluminium	ppm	ASTM D5185(m)	>20	5	11	10
Plomb	ppm	ASTM D5185(m)	>40	2	2	2
Cuivre	ppm	ASTM D5185(m)	>330	1	2	5
Étain	ppm	ASTM D5185(m)	>15	<1	1	2
Vanadium	ppm	ASTM D5185(m)		0	0	0
Métal blanc	scalar	Visual*	NONE	NONE	---	---
Bronze	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

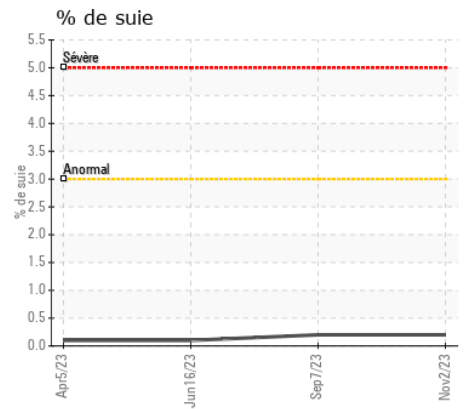
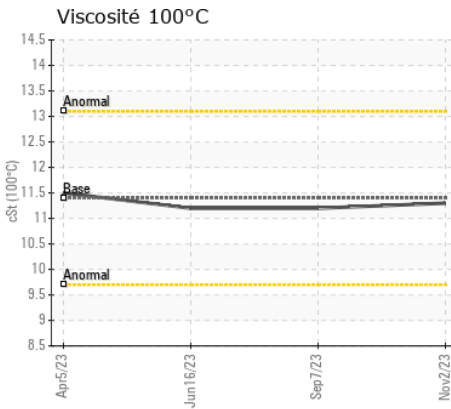
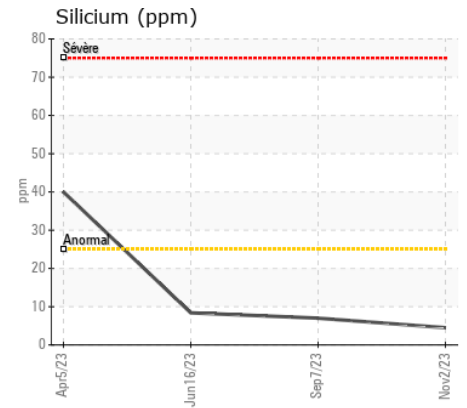
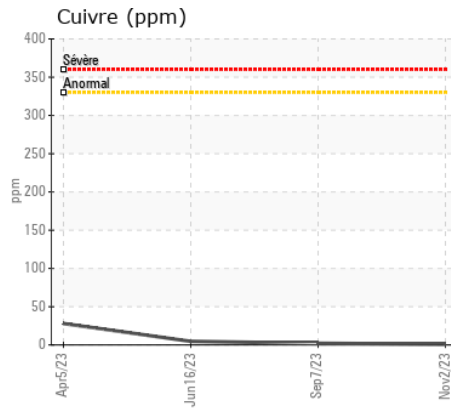
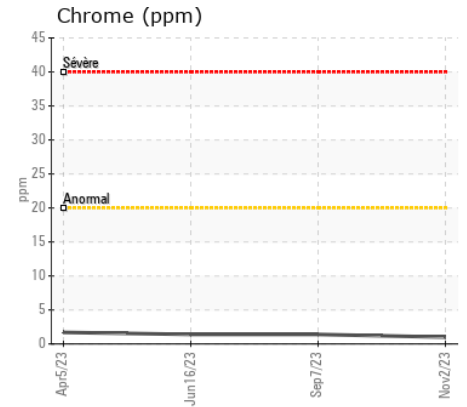
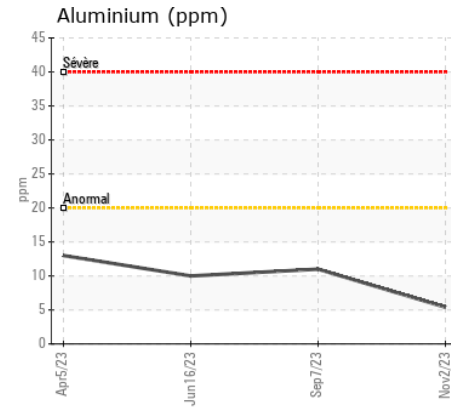
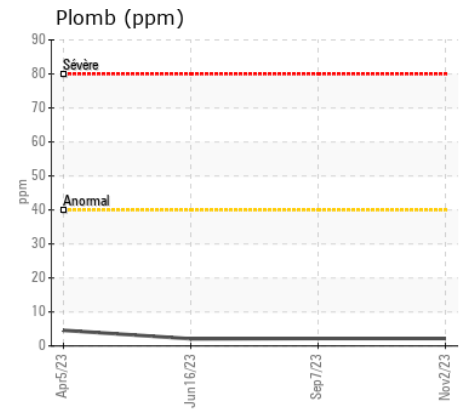
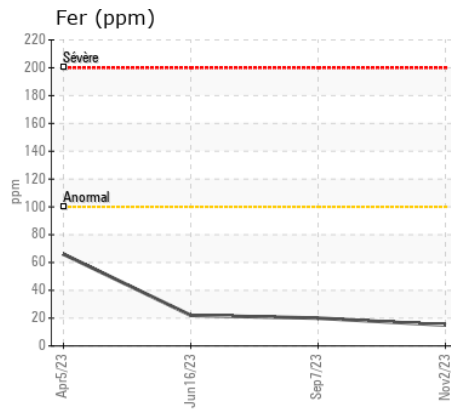
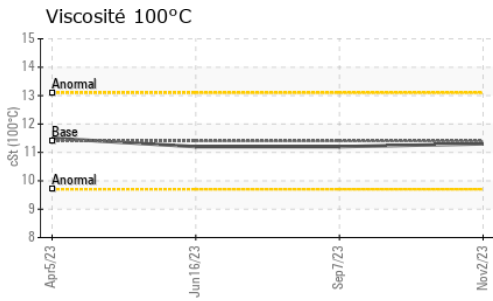
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	4	7	8
Potassium	ppm	ASTM D5185(m)	>20	12	30	27
Essence		WC Method	>2.0	<1.0	<1.0	<1.0
L'eau		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>3	0.2	0.2	0.1
Nitration	Abs/cm	ASTM D7624*	>20	8.3	8.6	8.5
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.3	20.8	20.4
Limon	scalar	Visual*	NONE	VLITE	---	---
Débris	scalar	Visual*	NONE	VLITE	---	---
Saleté	scalar	Visual*	NONE	NONE	---	---
Apparence	scalar	Visual*	NORML	NORML	---	---
Odeur	scalar	Visual*	NORML	NORML	NORML	NORML
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		2	2	2
Bore	ppm	ASTM D5185(m)	1	2	2	6
Baryum	ppm	ASTM D5185(m)	1	0	<1	<1
Molybdène	ppm	ASTM D5185(m)	1	60	61	61
Manganèse	ppm	ASTM D5185(m)	1	0	0	<1
Magnésium	ppm	ASTM D5185(m)	10	996	997	967
Calcium	ppm	ASTM D5185(m)	2942	1151	1146	1137
Phosphore	ppm	ASTM D5185(m)	1102	1005	1038	1053
Zinc	ppm	ASTM D5185(m)	1351	1247	1250	1225
Soufre	ppm	ASTM D5185(m)	3903	2489	2466	2431
Oxydation	Abs/.1mm	ASTM D7414*	>25	16.2	16.7	16.4
Visc 100°C	cSt	ASTM D7279(m)	11.4	11.3	11.2	11.2



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0877552 **Reçu** : 24 Nov 2023
N° de laboratoire : 02598753 **Diagnostiqué** : 24 Nov 2023
Numéro unique : 5683833 **Diagnostiqueur** : Wes Davis
Analyse : MOB 1 (Additional Tests: Visual)

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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