



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

INTERNATIONAL 51953

Composant

Moteur diesel

Fluide

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0813032	WC0787336	---
Date d'échant.		Client Info		27 Jun 2023	03 Apr 2023	---
Âge d la Machine	mls	Client Info		70494	36652	---
Âge de l'huile	mls	Client Info		11508	36652	---
Âge du filtre	mls	Client Info		11508	36652	---
Huile changée		Client Info		Changed	Changed	---
Filtre changé		Client Info		Changed	Changed	---
Statut de l'échant.				NORMAL	NORMAL	---

USURE

Metal levels are typical for a new component breaking in.

Fer	ppm	ASTM D5185(m)	>100	35	96	---
Chrome	ppm	ASTM D5185(m)	>20	2	3	---
Nickel	ppm	ASTM D5185(m)	>4	<1	1	---
Titane	ppm	ASTM D5185(m)		<1	<1	---
Argent	ppm	ASTM D5185(m)	>3	<1	<1	---
Aluminium	ppm	ASTM D5185(m)	>20	18	27	---
Plomb	ppm	ASTM D5185(m)	>40	3	6	---
Cuivre	ppm	ASTM D5185(m)	>330	6	21	---
Étain	ppm	ASTM D5185(m)	>15	2	4	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Métal blanc	scalar	Visual*	NONE	NONE	NONE	---
Bronze	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

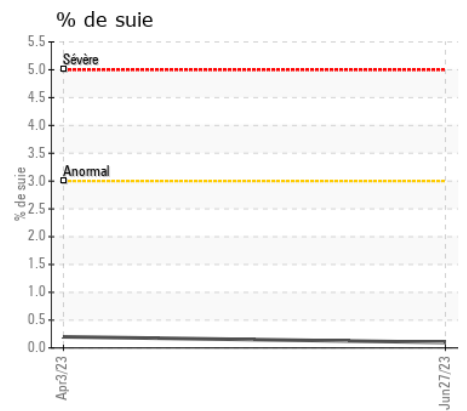
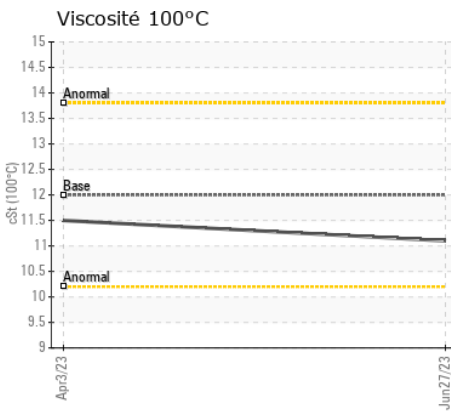
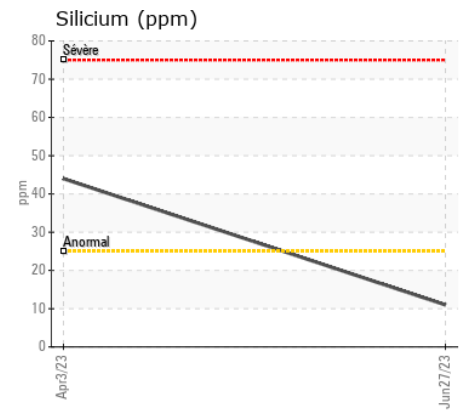
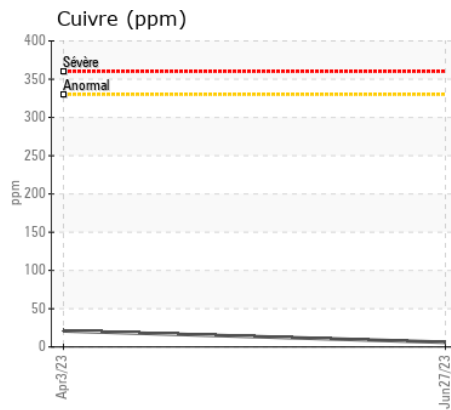
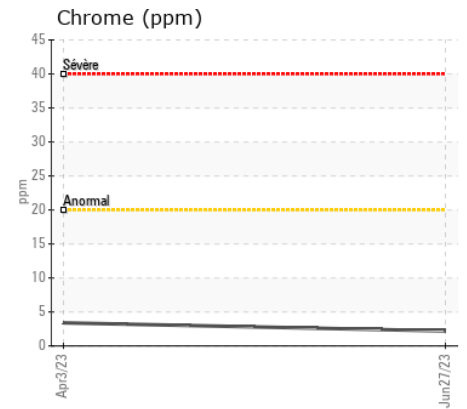
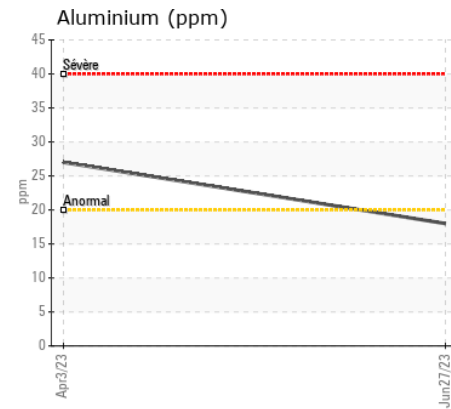
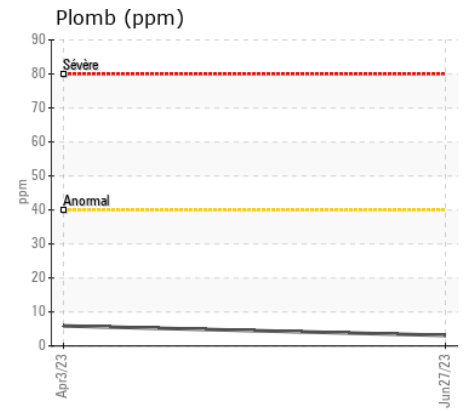
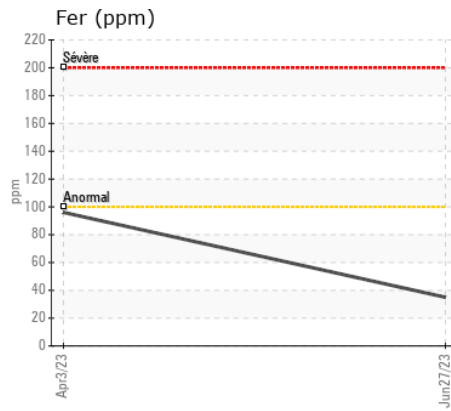
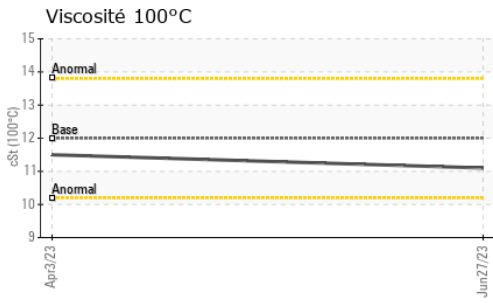
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	11	44	---
Potassium	ppm	ASTM D5185(m)	>20	47	79	---
Essence		WC Method	>2.0	<1.0	<1.0	---
Glycol		WC Method		NEG	NEG	---
% de suie	%	ASTM D7844*	>3	0.1	0.2	---
Nitration	Abs/cm	ASTM D7624*	>20	9.6	9.7	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	21.8	22.4	---
Limon	scalar	Visual*	NONE	VLITE	NONE	---
Débris	scalar	Visual*	NONE	NONE	NONE	---
Saleté	scalar	Visual*	NONE	NONE	NONE	---
Apparence	scalar	Visual*	NORML	NORML	NORML	---
Odeur	scalar	Visual*	NORML	NORML	NORML	---
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	---

ÉTAT DU FLUIDE

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

Sodium	ppm	ASTM D5185(m)		2	5	---
Bore	ppm	ASTM D5185(m)	2	8	47	---
Baryum	ppm	ASTM D5185(m)	0	<1	6	---
Molybdène	ppm	ASTM D5185(m)	50	62	65	---
Manganèse	ppm	ASTM D5185(m)	0	1	6	---
Magnésium	ppm	ASTM D5185(m)	950	938	437	---
Calcium	ppm	ASTM D5185(m)	1050	1142	1835	---
Phosphore	ppm	ASTM D5185(m)	995	1061	1003	---
Zinc	ppm	ASTM D5185(m)	1180	1221	1183	---
Soufre	ppm	ASTM D5185(m)	2600	2359	2377	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	17.0	19.1	---
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.1	11.5	---



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0813032 **Reçu** : 31 Aug 2023
N° de laboratoire : 02579610 **Diagnostiqué** : 31 Aug 2023
Numéro unique : 5632670 **Diagnostiqueur** : Wes Davis
Analyse : MOB 1 (Additional Tests: Visual)

MANITOU LIN TRANSPORT
 1890 DES SOURCES BOULEVARD
 POINTE CLAIRE, QC
 CA H9R 5B1
 Contact: Eric Marcelin
 emarcelin@manitoulintransport.com
 T: (514)694-5111
 F: (514)694-9739

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.