



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

INTERNATIONAL 52936

Composant

Moteur diesel

Fluid

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0889978	WC0877577	WC0877559
Date d'échant.		Client Info		29 Feb 2024	27 Nov 2023	04 Nov 2023
Âge d la Machine	mls	Client Info		161672	25010	116588
Âge de l'huile	mls	Client Info		34976	25010	0
Âge du filtre	mls	Client Info		34976	25010	0
Huile changée		Client Info		Changed	Changed	Not Changd
Filtre changé		Client Info		Changed	Changed	Not Changd
Statut de l'échant.				NORMAL	NORMAL	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>90	20	15	9
Chrome	ppm	ASTM D5185(m)	>20	1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titane	ppm	ASTM D5185(m)	>2	<1	0	0
Argent	ppm	ASTM D5185(m)	>2	0	<1	<1
Aluminium	ppm	ASTM D5185(m)	>20	5	7	5
Plomb	ppm	ASTM D5185(m)	>40	6	4	2
Cuivre	ppm	ASTM D5185(m)	>330	1	1	<1
Étain	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

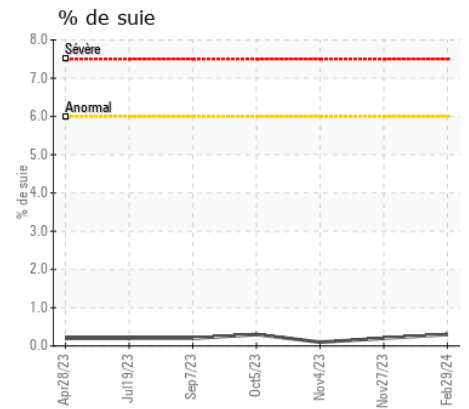
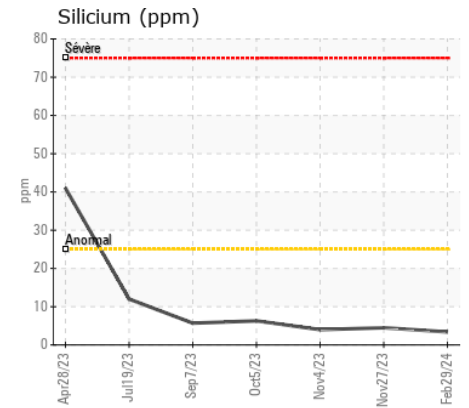
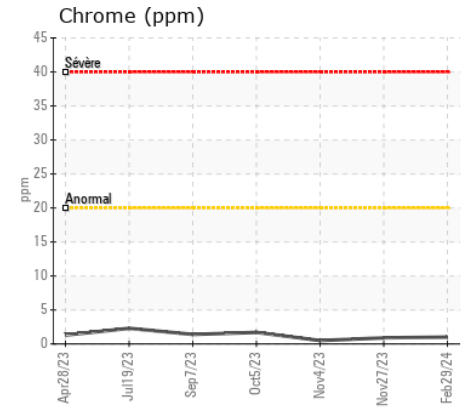
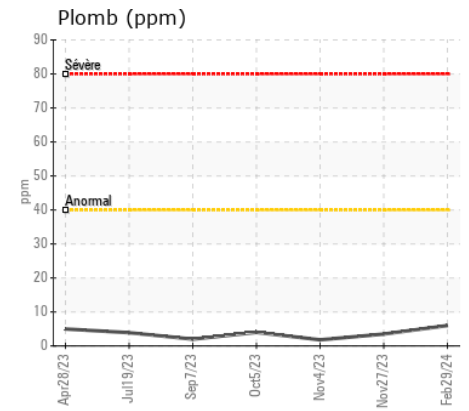
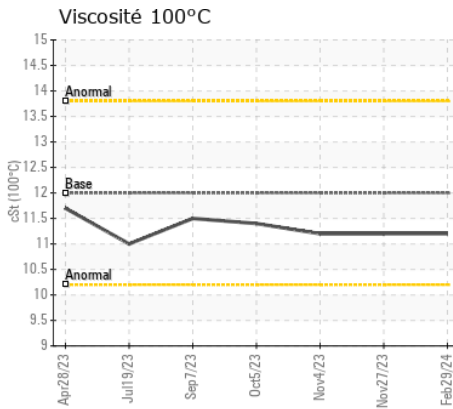
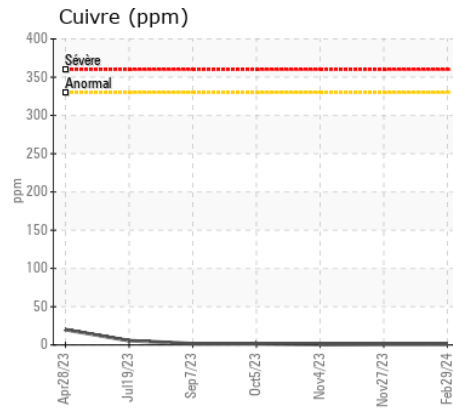
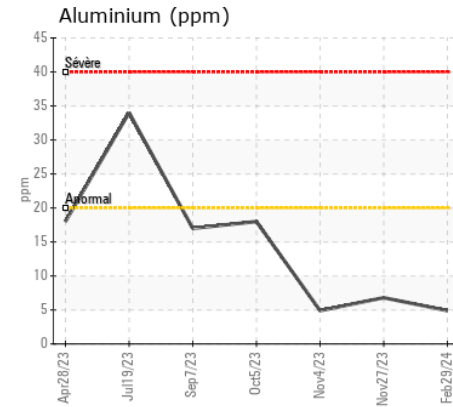
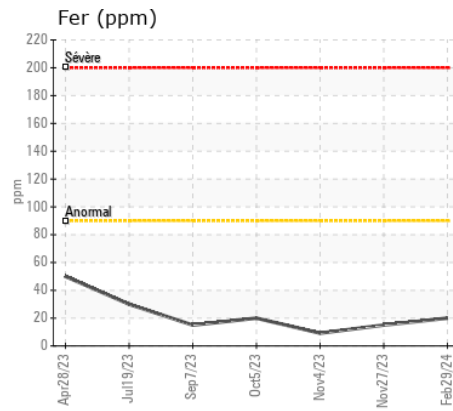
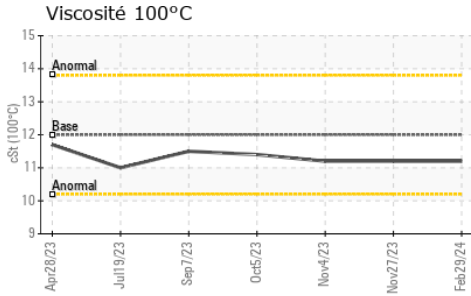
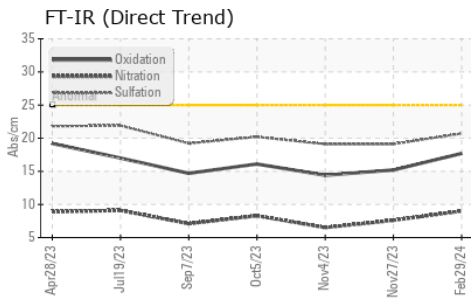
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	3	4	4
Potassium	ppm	ASTM D5185(m)	>20	5	14	10
Essence		WC Method	>3.0	<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*	>6	0.3	0.2	0.1
Nitration	Abs/cm	ASTM D7624*	>20	9.0	7.6	6.5
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.7	19.1	19.1
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	1
Bore	ppm	ASTM D5185(m)	2	1	2	2
Baryum	ppm	ASTM D5185(m)	0	0	<1	0
Molybdène	ppm	ASTM D5185(m)	50	59	58	57
Manganèse	ppm	ASTM D5185(m)	0	0	0	0
Magnésium	ppm	ASTM D5185(m)	950	984	959	933
Calcium	ppm	ASTM D5185(m)	1050	1156	1247	1206
Phosphore	ppm	ASTM D5185(m)	995	975	988	985
Zinc	ppm	ASTM D5185(m)	1180	1202	1221	1189
Soufre	ppm	ASTM D5185(m)	2600	2392	2678	2719
Oxydation	Abs/.1mm	ASTM D7414*	>25	17.7	15.2	14.4
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.2	11.2	11.2



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

N° d'échantillon : WC0889978

N° de laboratoire : 02626950

Numéro unique : 5760082

Analyse : MOB 1

Reçu : 05 Apr 2024

Tested : 05 Apr 2024

Diagnostiqué : 05 Apr 2024 - Wes Davis

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.