



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

INTERNATIONAL 52882

Composant

Moteur diesel

Fluid

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		WC0877582	WC0813030	WC0787347
Date d'échant.		Client Info		02 Dec 2023	30 Jun 2023	20 Apr 2023
Âge d la Machine	mls	Client Info		27228	172081	143258
Âge de l'huile	mls	Client Info		27228	29012	28178
Âge du filtre	mls	Client Info		27228	29012	28178
Huile changée		Client Info		Changed	Changed	Changed
Filtre changé		Client Info		Changed	Changed	Changed
Statut de l'échant.				NORMAL	NORMAL	NORMAL

USURE

Metal levels are typical for a new component breaking in.

Fer	ppm	ASTM D5185(m)	>127	22	16	18
Chrome	ppm	ASTM D5185(m)	>3	2	1	1
Nickel	ppm	ASTM D5185(m)	>30	<1	<1	<1
Titane	ppm	ASTM D5185(m)	>2	0	0	<1
Argent	ppm	ASTM D5185(m)	>2	0	0	0
Aluminium	ppm	ASTM D5185(m)	>59	6	5	6
Plomb	ppm	ASTM D5185(m)	>29	<1	<1	<1
Cuivre	ppm	ASTM D5185(m)	>135	2	3	10
Étain	ppm	ASTM D5185(m)	>2	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

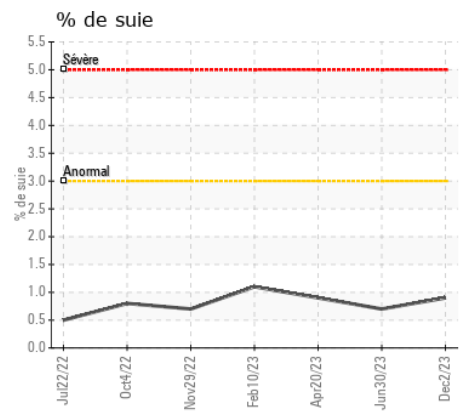
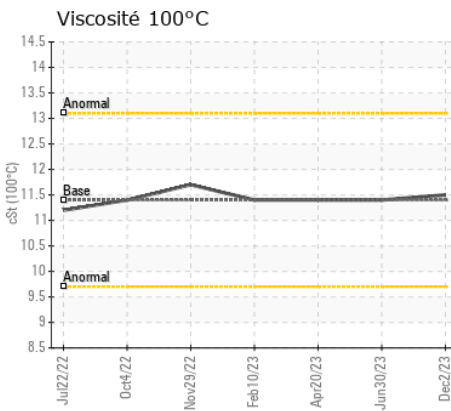
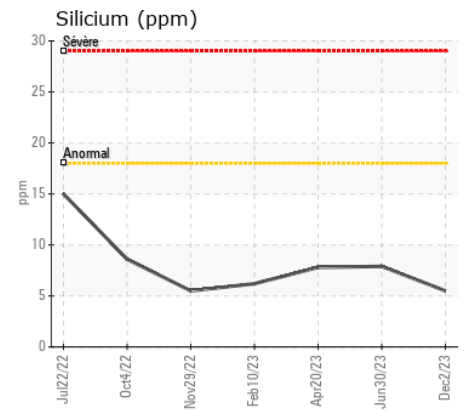
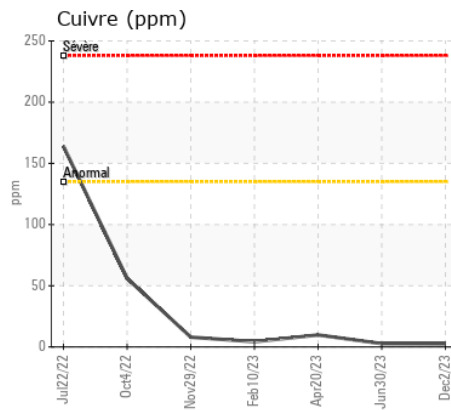
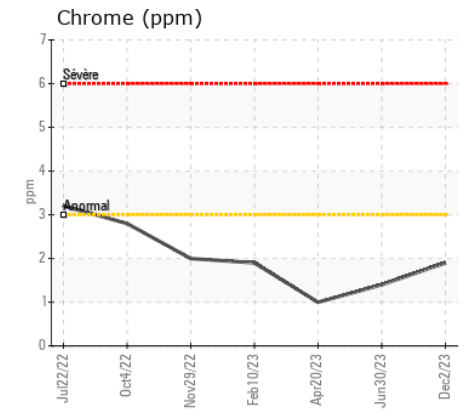
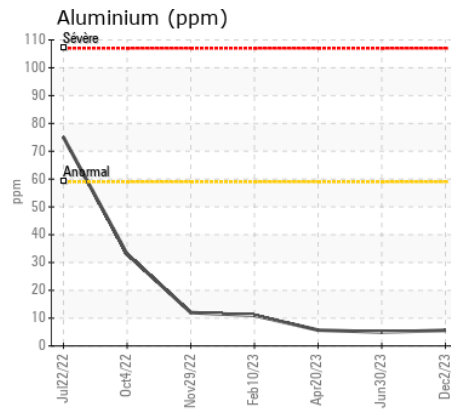
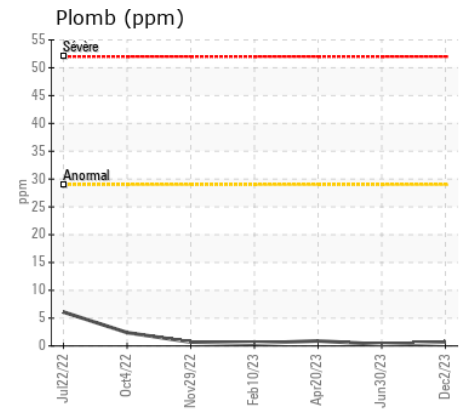
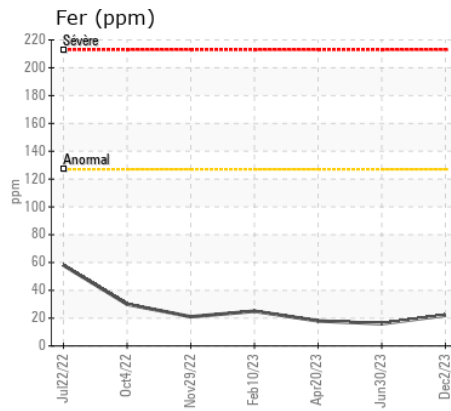
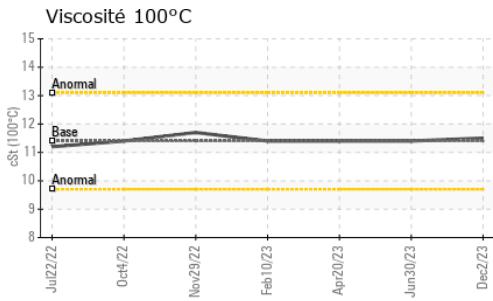
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>18	6	8	8
Potassium	ppm	ASTM D5185(m)	>20	9	9	7
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	0.9	0.7	0.9
Nitration	Abs/cm	ASTM D7624*	>20	8.6	8.9	9.1
Sulfatation	Abs/.1mm	ASTM D7415*	>30	19.9	21.3	20.8
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	3
Bore	ppm	ASTM D5185(m)	1	1	4	1
Baryum	ppm	ASTM D5185(m)	1	<1	0	0
Molybdène	ppm	ASTM D5185(m)	1	62	63	62
Manganèse	ppm	ASTM D5185(m)	1	0	<1	<1
Magnésium	ppm	ASTM D5185(m)	10	1006	993	992
Calcium	ppm	ASTM D5185(m)	2942	1108	1069	1174
Phosphore	ppm	ASTM D5185(m)	1102	1021	1087	1118
Zinc	ppm	ASTM D5185(m)	1351	1225	1203	1239
Soufre	ppm	ASTM D5185(m)	3903	2563	2598	2640
Oxydation	Abs/.1mm	ASTM D7414*	>25	14.6	15.1	15.8
Visc 100°C	cSt	ASTM D7279(m)	11.4	11.5	11.4	11.4



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0877582
N° de laboratoire : 02604050
Numéro unique : 5697135
Analyse : MOB 1

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

Reçu : 19 Dec 2023
 Diagnostiqué : 19 Dec 2023
 Diagnostiqueur : Wes Davis

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.