



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur

52000 Series

Identité de la machine

52960

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		WC0889985	WC0877571	WC0857916
Date d'échant.		Client Info		27 Feb 2024	25 Nov 2023	23 Sep 2023
Âge d la Machine	mls	Client Info		95626	61957	34804
Âge de l'huile	mls	Client Info		34646	26677	34804
Âge du filtre	mls	Client Info		34646	26677	34804
Huile changée		Client Info		Changed	Changed	Changed
Filtre changé		Client Info		Changed	Changed	Changed
Statut de l'échant.				NORMAL	NORMAL	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	24	26	51
Chrome	ppm	ASTM D5185(m)	>20	1	1	2
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titane	ppm	ASTM D5185(m)		<1	0	0
Argent	ppm	ASTM D5185(m)	>3	0	<1	1
Aluminium	ppm	ASTM D5185(m)	>20	11	16	46
Plomb	ppm	ASTM D5185(m)	>40	2	4	6
Cuivre	ppm	ASTM D5185(m)	>330	2	4	20
Étain	ppm	ASTM D5185(m)	>15	1	2	4
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

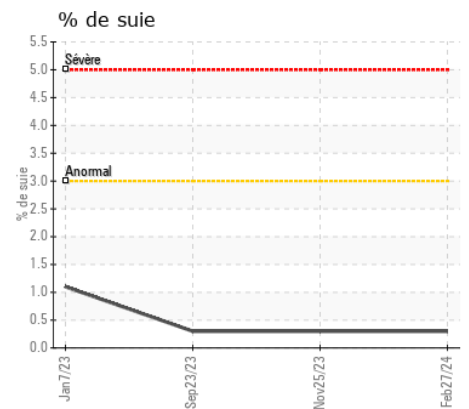
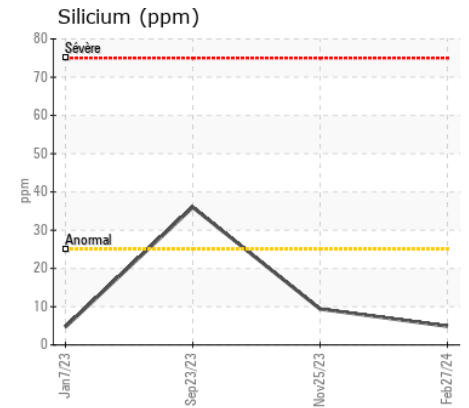
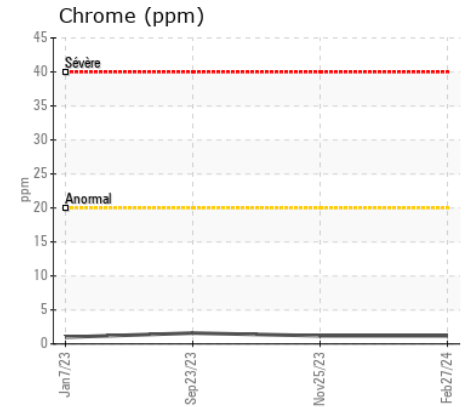
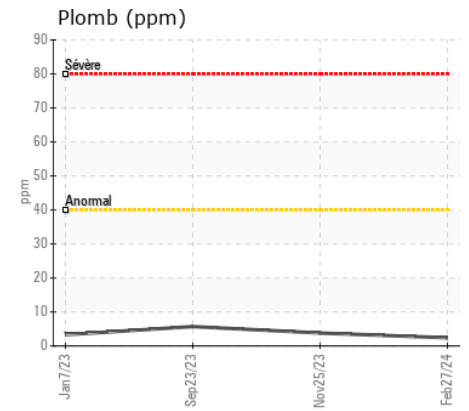
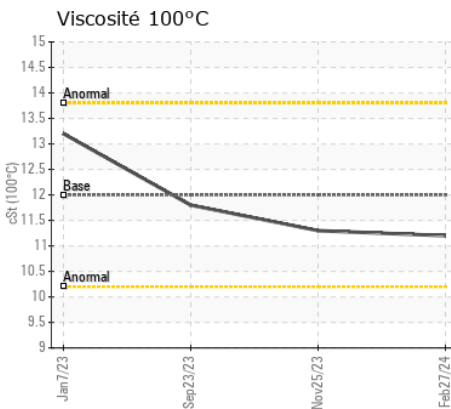
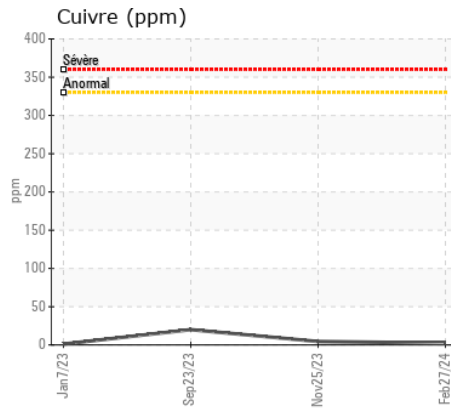
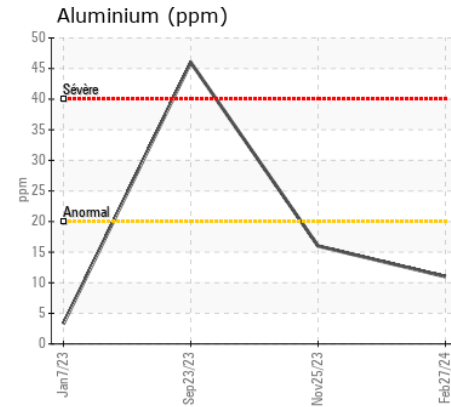
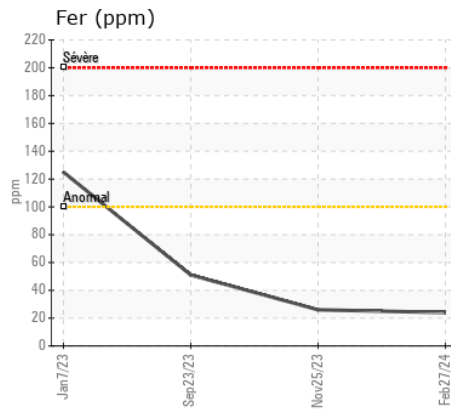
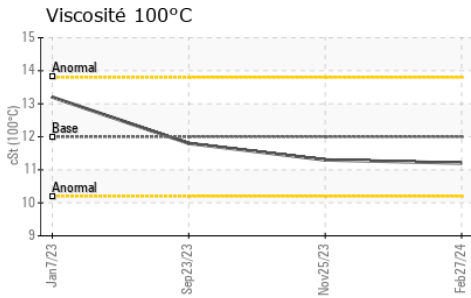
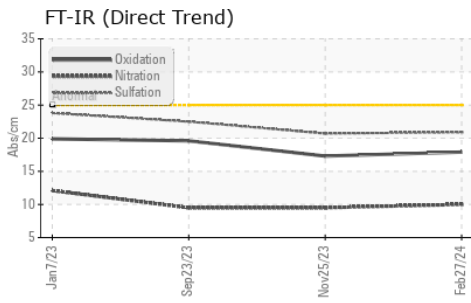
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	5	9	36
Potassium	ppm	ASTM D5185(m)	>20	20	33	124
Essence		WC Method	>5	<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	0.3	0.3	0.3
Nitration	Abs/cm	ASTM D7624*	>20	10.0	9.5	9.5
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.9	20.7	22.5
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	5
Bore	ppm	ASTM D5185(m)	2	2	3	31
Baryum	ppm	ASTM D5185(m)	0	0	<1	5
Molybdène	ppm	ASTM D5185(m)	50	60	63	62
Manganèse	ppm	ASTM D5185(m)	0	0	<1	4
Magnésium	ppm	ASTM D5185(m)	950	989	970	451
Calcium	ppm	ASTM D5185(m)	1050	1164	1159	1741
Phosphore	ppm	ASTM D5185(m)	995	995	1008	951
Zinc	ppm	ASTM D5185(m)	1180	1230	1234	1186
Soufre	ppm	ASTM D5185(m)	2600	2422	2409	2270
Oxydation	Abs/.1mm	ASTM D7414*	>25	17.9	17.3	19.6
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.2	11.3	11.8



ISO 17025:2017
Accredited
Laboratory

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

N° d'échantillon : WC0889985

N° de laboratoire : 02626954

Numéro unique : 5760086

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.