



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur

52000 series

Identité de la machine

Navistar 52841

Composant

Moteur diesel

Fluide

PETRO CANADA DURON SHP 10W30 (40 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0864517	WC0813034	WC0787323
Date d'échant.		Client Info		22 Nov 2023	19 Jun 2023	08 Mar 2023
Âge d la Machine	mls	Client Info		406949	372747	336148
Âge de l'huile	mls	Client Info		34202	36022	33641
Âge du filtre	mls	Client Info		34202	36022	33641
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)	>90	27	20	20
Chrome	ppm	ASTM D5185(m)	>20	2	1	1
Nickel	ppm	ASTM D5185(m)	>2	<1	0	<1
Titane	ppm	ASTM D5185(m)	>2	0	0	<1
Argent	ppm	ASTM D5185(m)	>2	<1	0	0
Aluminium	ppm	ASTM D5185(m)	>20	5	3	6
Plomb	ppm	ASTM D5185(m)	>40	8	10	3
Cuivre	ppm	ASTM D5185(m)	>330	2	1	2
Étain	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

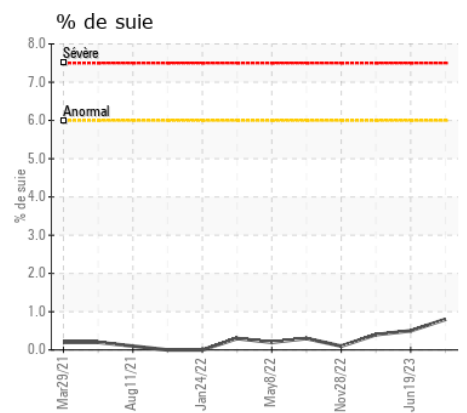
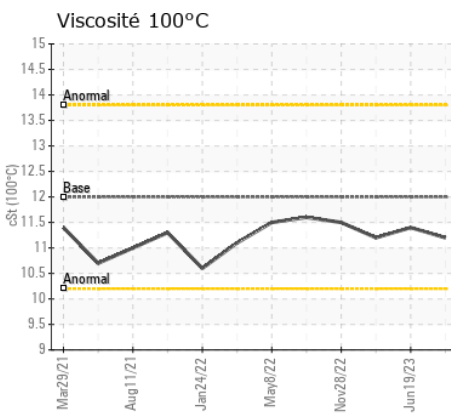
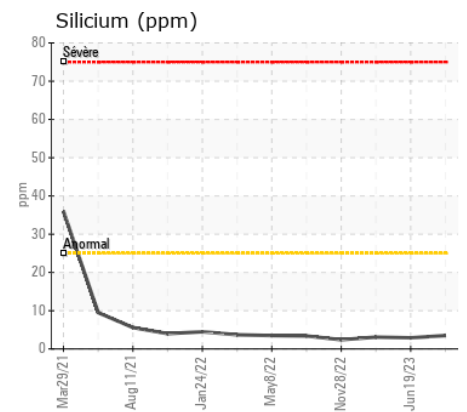
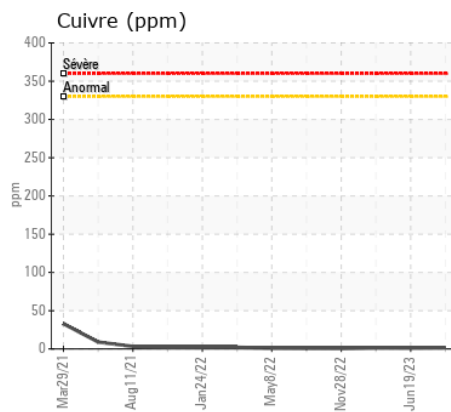
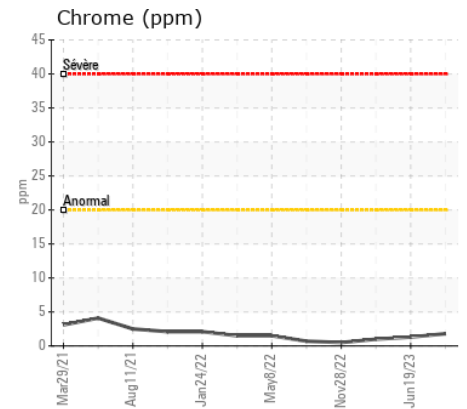
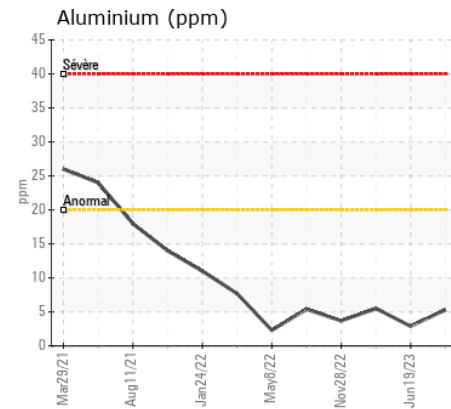
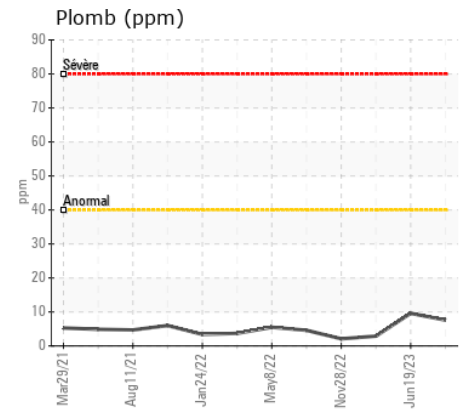
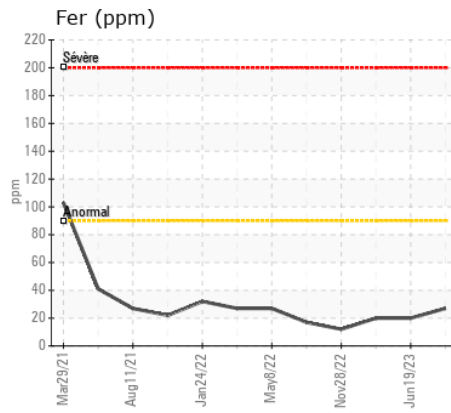
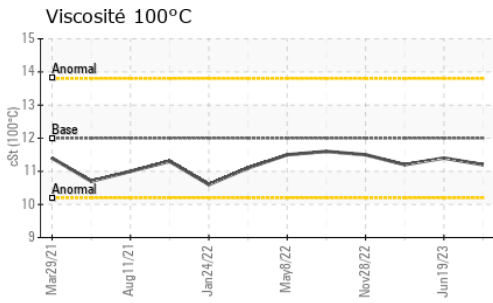
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	4	3	3
Potassium	ppm	ASTM D5185(m)	>20	8	4	9
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	0.8	0.5	0.4
Nitration	Abs/cm	ASTM D7624*	>20	12.1	11.6	11.0
Sulfatation	Abs/.1mm	ASTM D7415*	>30	24.5	23.7	21.6
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)	2	1	2	3
Baryum	ppm	ASTM D5185(m)	0	<1	0	0
Molybdène	ppm	ASTM D5185(m)	50	58	62	61
Manganèse	ppm	ASTM D5185(m)	0	0	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	946	1004	966
Calcium	ppm	ASTM D5185(m)	1050	1077	1075	1201
Phosphore	ppm	ASTM D5185(m)	995	978	1090	1107
Zinc	ppm	ASTM D5185(m)	1180	1206	1229	1242
Soufre	ppm	ASTM D5185(m)	2600	2458	2506	2658
Oxydation	Abs/.1mm	ASTM D7414*	>25	20.8	18.7	17.7
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.2	11.4	11.2



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0864517
N° de laboratoire : 02600881
Numéro unique : 5693966
Analyse : MOB 1

Reçu : 05 Dec 2023
Diagnostiqué : 05 Dec 2023
Diagnostiqueur : 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.