



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur

52000 series

Identité de la machine

Navistar 52811

Composant

Moteur diesel

Fluid

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		WC0877584	WC0836035	WC0813013
Date d'échant.		Client Info		07 Dec 2023	04 Sep 2023	01 Jun 2023
Âge d la Machine	mls	Client Info		556855	528987	444532
Âge de l'huile	mls	Client Info		27868	32616	15675
Âge du filtre	mls	Client Info		27868	32616	15675
Huile changée		Client Info		N/A	N/A	Changed
Filtre changé		Client Info		N/A	N/A	Changed
Statut de l'échant.				NORMAL	NORMAL	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>90	15	20	20
Chrome	ppm	ASTM D5185(m)	>20	<1	<1	1
Nickel	ppm	ASTM D5185(m)	>2	<1	0	0
Titane	ppm	ASTM D5185(m)	>2	0	0	0
Argent	ppm	ASTM D5185(m)	>2	<1	<1	0
Aluminium	ppm	ASTM D5185(m)	>20	3	5	3
Plomb	ppm	ASTM D5185(m)	>40	2	4	4
Cuivre	ppm	ASTM D5185(m)	>330	<1	1	2
Étain	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Métal blanc	scalar	Visual*	NONE	NONE	---	---
Bronze	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

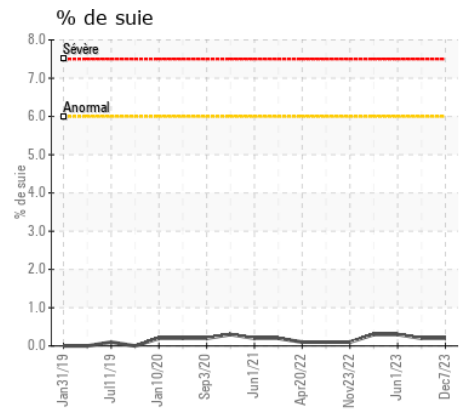
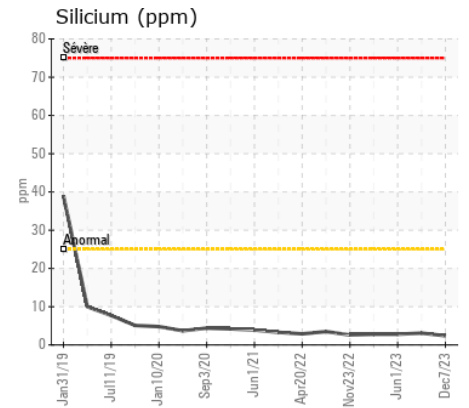
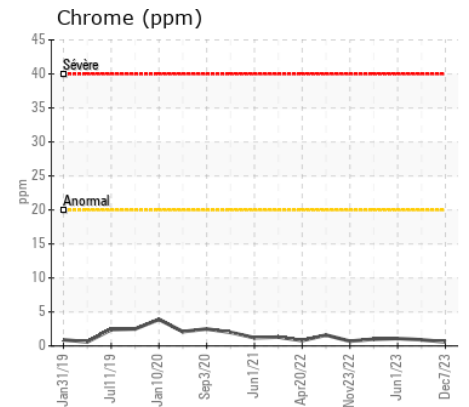
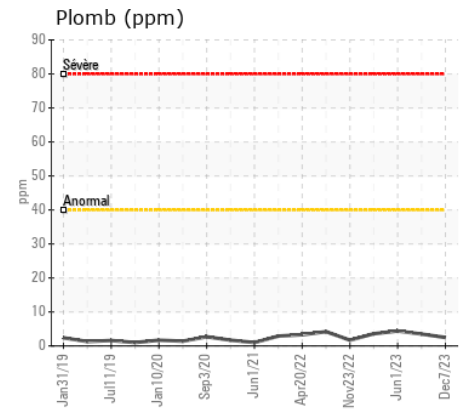
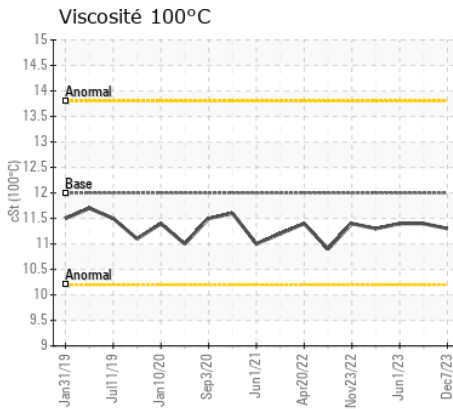
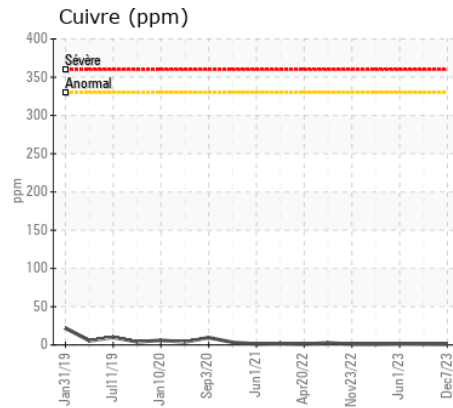
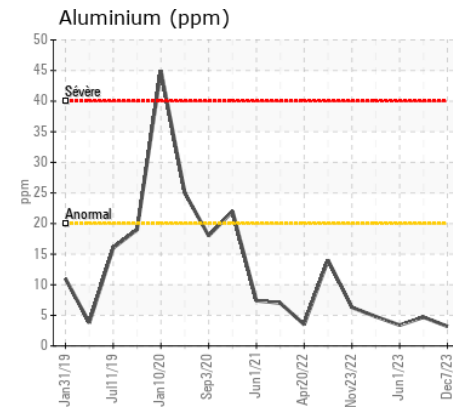
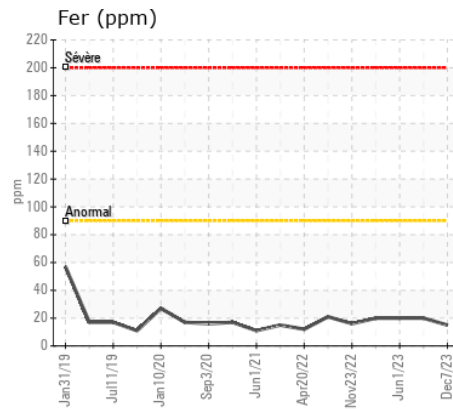
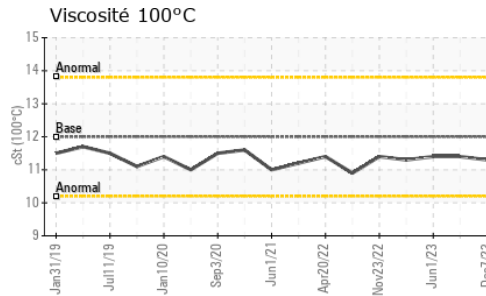
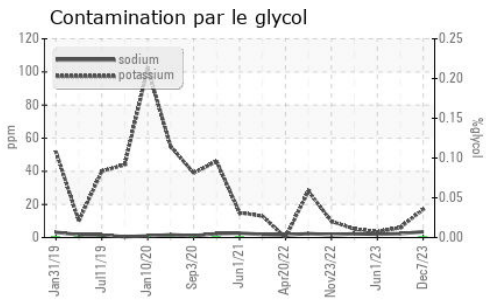
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	2	3	3
Potassium	ppm	ASTM D5185(m)	>20	17	6	4
Essence		WC Method	>3.0	<1.0	<1.0	<1.0
L'eau		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	NEG	NEG
% de suie	%	ASTM D7844*	>6	0.2	0.2	0.3
Nitration	Abs/cm	ASTM D7624*	>20	9.3	10.6	10.6
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.5	22.2	22.5
Limon	scalar	Visual*	NONE	NONE	---	---
Débris	scalar	Visual*	NONE	NONE	---	---
Saleté	scalar	Visual*	NONE	VLITE	---	---
Apparence	scalar	Visual*	NORML	NORML	---	---
Odeur	scalar	Visual*	NORML	NORML	NORML	NORML
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)		4	2	2
Bore	ppm	ASTM D5185(m)	2	2	2	2
Baryum	ppm	ASTM D5185(m)	0	<1	<1	0
Molybdène	ppm	ASTM D5185(m)	50	60	63	63
Manganèse	ppm	ASTM D5185(m)	0	0	0	<1
Magnésium	ppm	ASTM D5185(m)	950	987	1022	1043
Calcium	ppm	ASTM D5185(m)	1050	1128	1140	1114
Phosphore	ppm	ASTM D5185(m)	995	1018	1063	1122
Zinc	ppm	ASTM D5185(m)	1180	1229	1285	1282
Soufre	ppm	ASTM D5185(m)	2600	2539	2457	2508
Oxydation	Abs/.1mm	ASTM D7414*	>25	17.4	18.6	19.6
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.3	11.4	11.4



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0877584
N° de laboratoire : 02604047
Numéro unique : 5697132
Analyse : MOB 1 (Additional Tests: Glycol, 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.