



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur

3000 series

Identité de la machine

Navistar 3286

Composant

Moteur diesel

Fluide

PETRO CANADA DURON SHP 10W30 (26 LTR)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0857925	WC0813020	WC0787350
Date d'échant.		Client Info		19 Oct 2023	30 May 2023	12 Apr 2023
Âge d la Machine	mls	Client Info		457722	444532	428857
Âge de l'huile	mls	Client Info		12977	15675	18593
Âge du filtre	mls	Client Info		12977	15675	18593
Huile changée		Client Info		Changed	Changed	Changed
Filtre changé		Client Info		Changed	Changed	Changed
Statut de l'échant.				NORMAL	NORMAL	SEVERE

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>90	18	34	60
Chrome	ppm	ASTM D5185(m)	>20	1	2	3
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	1
Titane	ppm	ASTM D5185(m)	>2	0	<1	<1
Argent	ppm	ASTM D5185(m)	>2	<1	0	0
Aluminium	ppm	ASTM D5185(m)	>20	4	9	75
Plomb	ppm	ASTM D5185(m)	>40	<1	<1	<1
Cuivre	ppm	ASTM D5185(m)	>330	2	2	3
Étain	ppm	ASTM D5185(m)	>15	0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	<1
Métal blanc	scalar	Visual*	NONE	NONE	---	NONE
Bronze	scalar	Visual*	NONE	NONE	---	NONE

CONTAMINATION

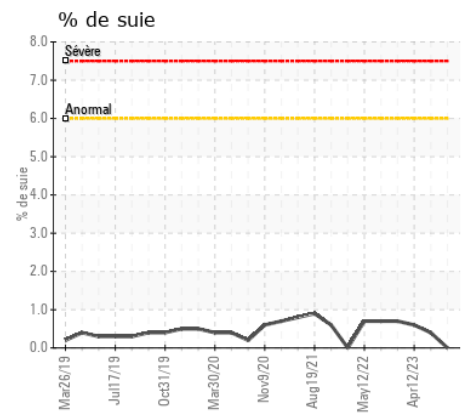
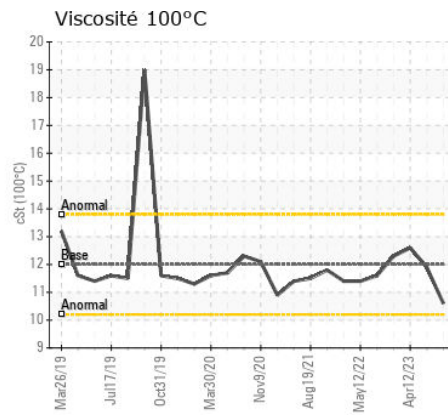
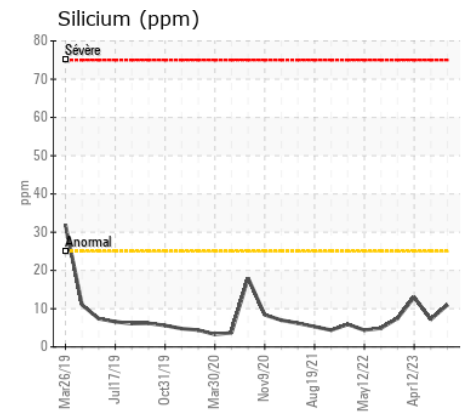
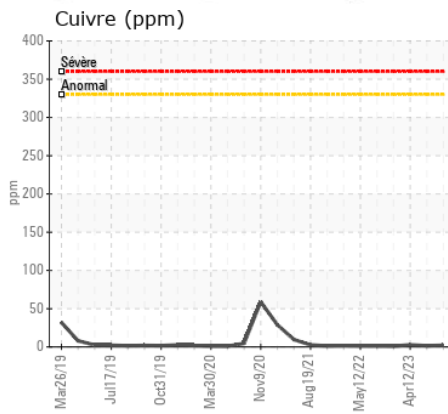
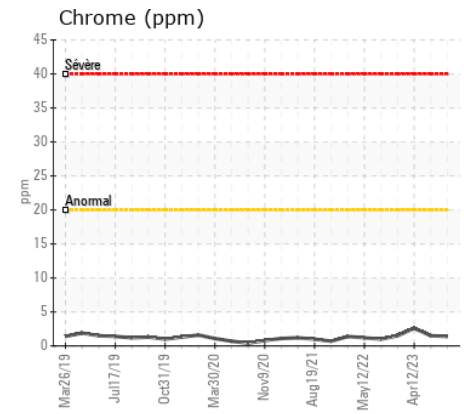
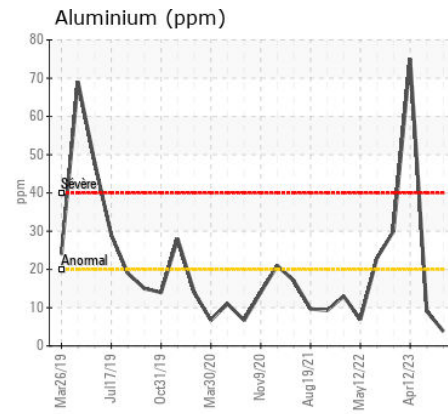
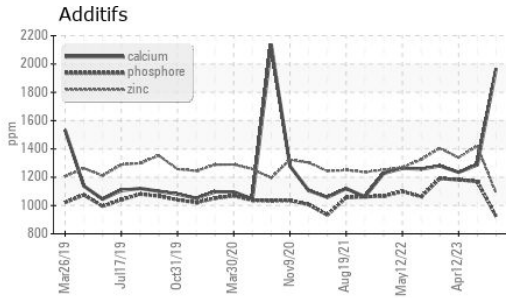
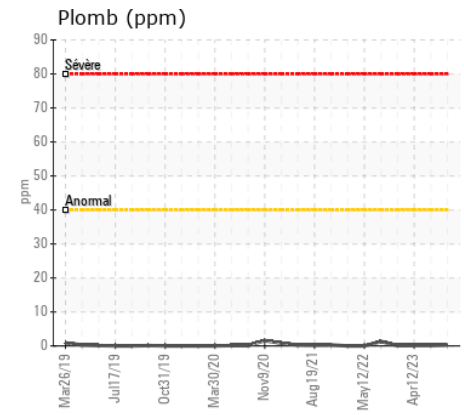
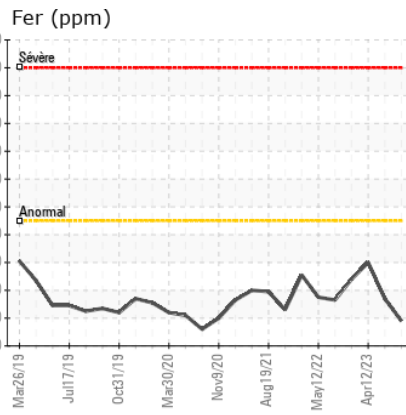
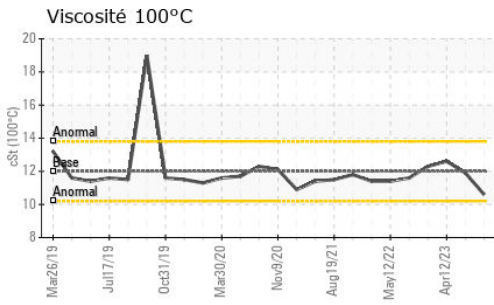
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	11	7	13
Potassium	ppm	ASTM D5185(m)	>20	3	3	24
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	0.0
% de suie	%	ASTM D7844*	>6	0	0.4	0.6
Nitration	Abs/cm	ASTM D7624*	>20	7.6	13.9	15.9
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.7	25.1	24.5
Limon	scalar	Visual*	NONE	NONE	---	NONE
Débris	scalar	Visual*	NONE	VLITE	---	NONE
Saleté	scalar	Visual*	NONE	NONE	---	NONE
Apparence	scalar	Visual*	NORML	NORML	---	NORML
Odeur	scalar	Visual*	NORML	NORML	NORML	NORML
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

Additive levels indicate the addition of a different brand, or type of oil.
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		6	65	926
Bore	ppm	ASTM D5185(m)	2	124	7	4
Baryum	ppm	ASTM D5185(m)	0	<1	0	0
Molybdène	ppm	ASTM D5185(m)	50	7	71	69
Manganèse	ppm	ASTM D5185(m)	0	0	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	78	1163	1055
Calcium	ppm	ASTM D5185(m)	1050	1967	1287	1235
Phosphore	ppm	ASTM D5185(m)	995	923	1170	1182
Zinc	ppm	ASTM D5185(m)	1180	1087	1419	1339
Soufre	ppm	ASTM D5185(m)	2600	2796	2587	2687
Oxydation	Abs/.1mm	ASTM D7414*	>25	16.8	23.4	22.5
Visc 100°C	cSt	ASTM D7279(m)	12.00	10.6	11.9	12.6



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0857925
N° de laboratoire : 02598720
Numéro unique : 5683800
Analyse : MOB 1 (Additional Tests: Visual)

Reçu : 24 Nov 2023
Diagnostiqué : 24 Nov 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.