



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur

3000 series

Identité de la machine

Navistar 3297

Composant

Moteur diesel

Fluide

PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0836019	WC0813025	WC0813011
Date d'échant.		Client Info		07 Aug 2023	11 Jul 2023	17 May 2023
Âge d la Machine	mls	Client Info		403599	392151	368299
Âge de l'huile	mls	Client Info		11200	39215	21284
Âge du filtre	mls	Client Info		11200	39215	21284
Huile changée		Client Info		N/A	N/A	Changed
Filtre changé		Client Info		Changed	N/A	Changed
Statut de l'échant.				NORMAL	NORMAL	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>90	19	42	31
Chrome	ppm	ASTM D5185(m)	>20	<1	1	<1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titane	ppm	ASTM D5185(m)	>2	0	<1	0
Argent	ppm	ASTM D5185(m)	>2	<1	<1	<1
Aluminium	ppm	ASTM D5185(m)	>20	6	11	6
Plomb	ppm	ASTM D5185(m)	>40	<1	<1	<1
Cuivre	ppm	ASTM D5185(m)	>330	1	2	2
Étain	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Métal blanc	scalar	Visual*	NONE	LIGHT	---	---
Bronze	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

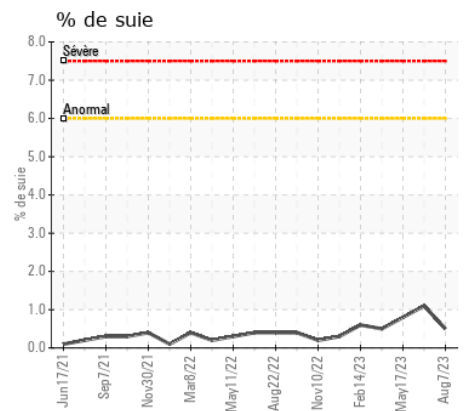
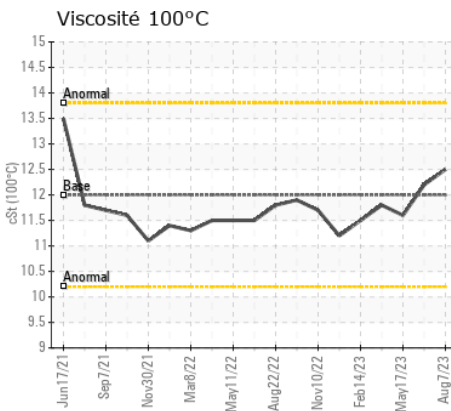
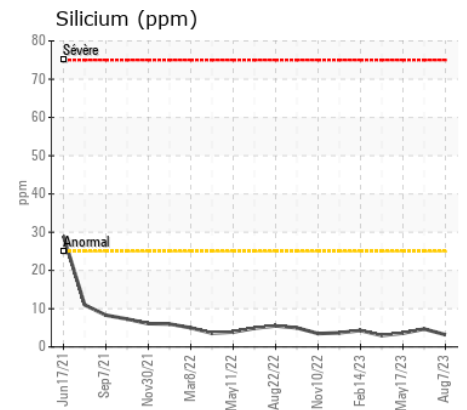
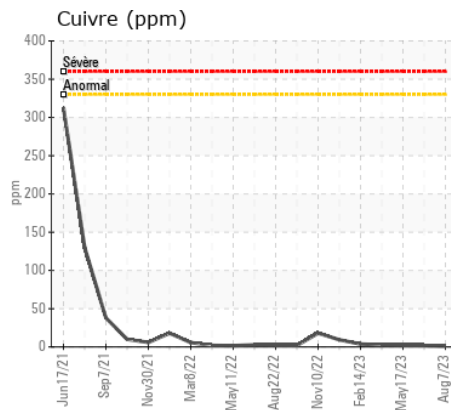
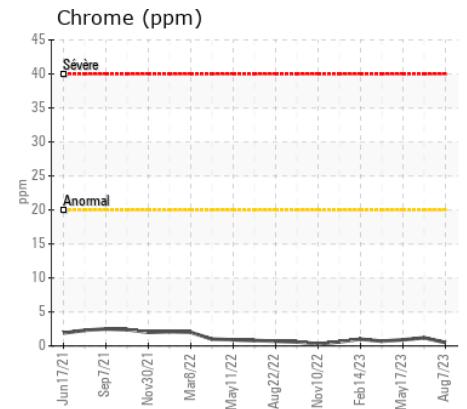
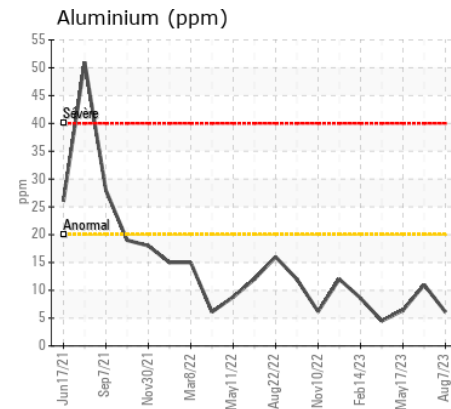
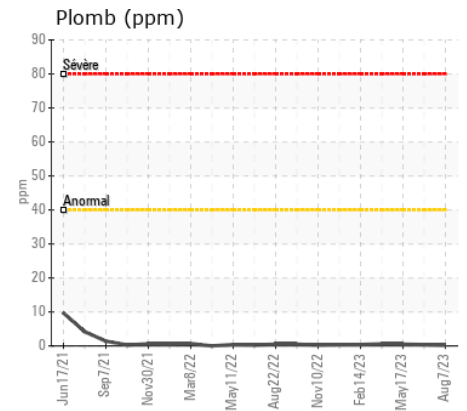
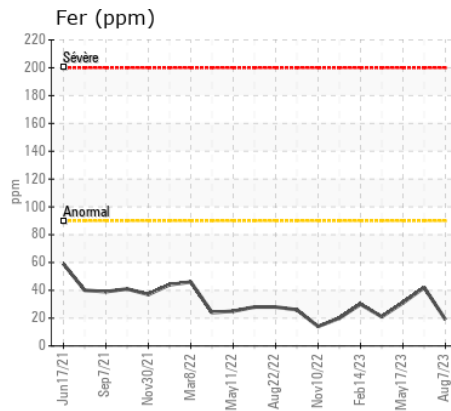
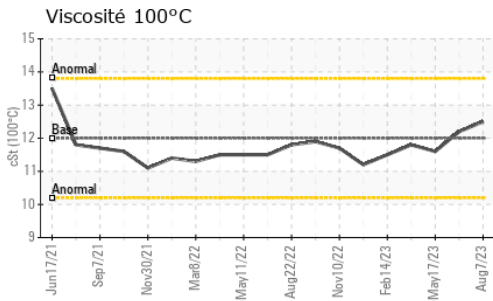
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	3	5	4
Potassium	ppm	ASTM D5185(m)	>20	4	5	2
Essence		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	0.0	NEG
% de suie	%	ASTM D7844*	>6	0.5	1.1	0.8
Nitration	Abs/cm	ASTM D7624*	>20	9.3	13.4	11.6
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.2	25.9	22.3
Limon	scalar	Visual*	NONE	NONE	---	---
Débris	scalar	Visual*	NONE	NONE	---	---
Saleté	scalar	Visual*	NONE	NONE	---	---
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)		2	3	2
Bore	ppm	ASTM D5185(m)	2	3	2	4
Baryum	ppm	ASTM D5185(m)	0	0	0	0
Molybdène	ppm	ASTM D5185(m)	50	54	62	63
Manganèse	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	881	1034	1034
Calcium	ppm	ASTM D5185(m)	1050	974	1145	1123
Phosphore	ppm	ASTM D5185(m)	995	954	1105	1099
Zinc	ppm	ASTM D5185(m)	1180	1099	1286	1274
Soufre	ppm	ASTM D5185(m)	2600	2504	2405	2511
Oxydation	Abs/.1mm	ASTM D7414*	>25	16.1	21.5	19.1
Visc 100°C	cSt	ASTM D7279(m)	12.00	12.5	12.2	11.6



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0836019
N° de laboratoire : 02582660
Numéro unique : 5643725
Analyse : MOB 1 (Additional Tests: Visual)

Reçu : 15 Sep 2023
Diagnostiqueur : Wes Davis

MANITOU LIN TRANSPORT
 1890 DES SOURCES BOULEVARD
 POINTE CLAIRE, QC
 CA H9R 5B1
 Contact: Eric Marcelin
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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.

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