



# RAPPORT D'ANALYSE D'HUILE

USURE	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
ÉTAT DU FLUIDE	<b>NORMAL</b>

Secteur

**4000 Series**

Identité de la machine

**Navistar 4321**

Composant

**Moteur diesel**

Fluide

**PETRO CANADA DURON SHP 10W30 (16 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>WC0813017</b>	WC0787333	WC0758584
Date d'échant.		Client Info		<b>02 Jun 2023</b>	31 Mar 2023	16 Jan 2023
Âge d la Machine	mls	Client Info		<b>172725</b>	160818	153266
Âge de l'huile	mls	Client Info		<b>11902</b>	12012	15234
Âge du filtre	mls	Client Info		<b>11902</b>	12012	15234
Huile changée		Client Info		<b>Changed</b>	Changed	Changed
Filtre changé		Client Info		<b>Changed</b>	Changed	Changed
Statut de l'échant.				<b>NORMAL</b>	NORMAL	NORMAL

## USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>24</b>	25	20
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Titane	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>7</b>	7	5
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	0	3
Cuivre	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	1
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

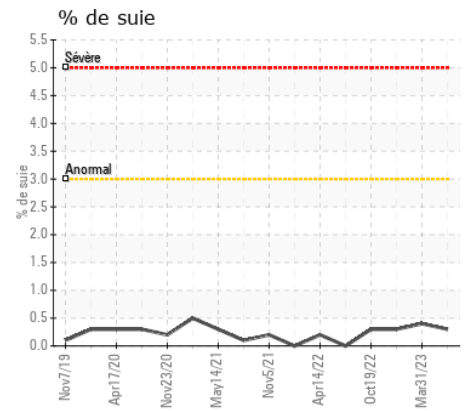
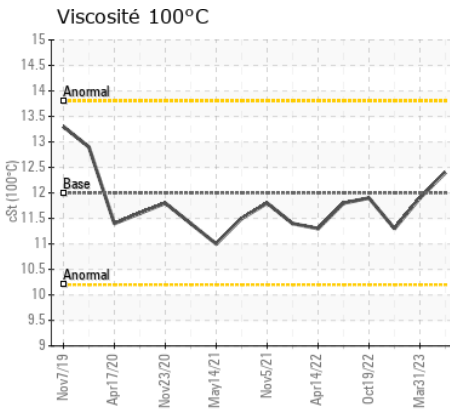
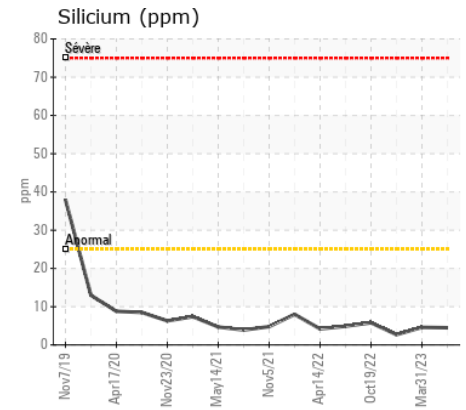
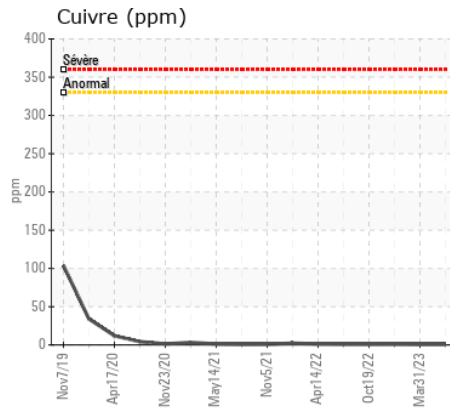
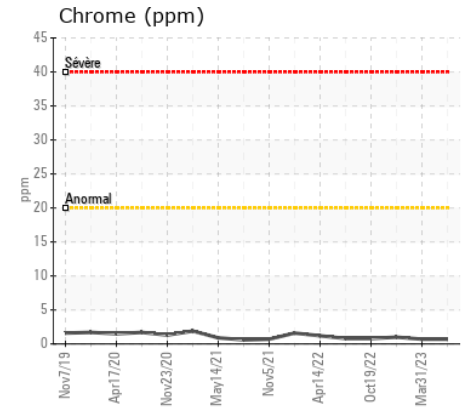
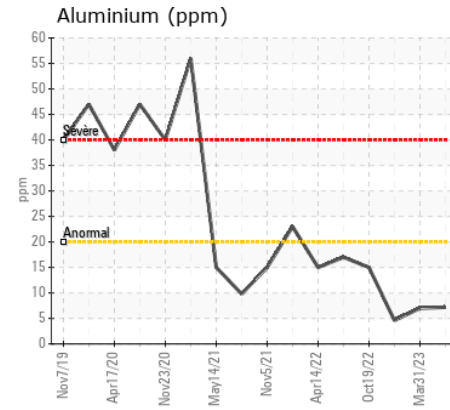
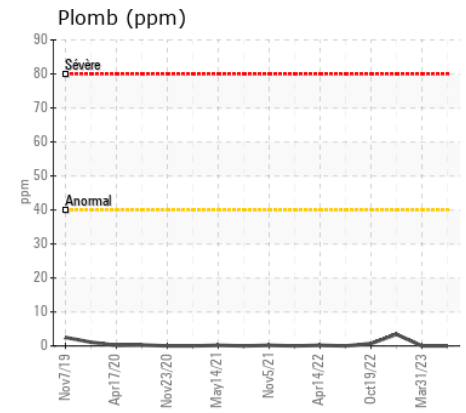
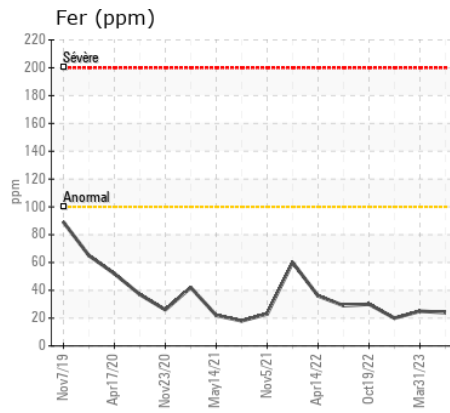
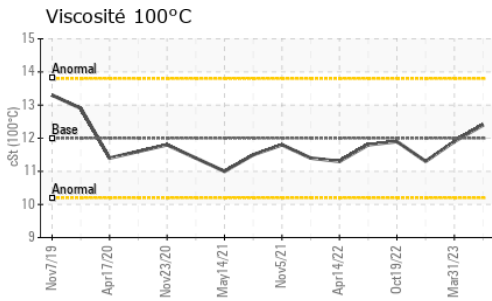
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>4</b>	5	3
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	3	5
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>3	<b>0.3</b>	0.4	0.3
Nitration	Abs/cm	ASTM D7624*	>20	<b>13.6</b>	13.0	10.3
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>24.6</b>	23.1	22.4
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## ÉTAT DU FLUIDE

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>4</b>	3	2
Bore	ppm	ASTM D5185(m)	2	<b>7</b>	2	3
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	50	<b>68</b>	67	63
Manganèse	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>1116</b>	1067	1013
Calcium	ppm	ASTM D5185(m)	1050	<b>1204</b>	1233	1262
Phosphore	ppm	ASTM D5185(m)	995	<b>1177</b>	1173	1151
Zinc	ppm	ASTM D5185(m)	1180	<b>1355</b>	1325	1304
Soufre	ppm	ASTM D5185(m)	2600	<b>2594</b>	2659	2658
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>23.9</b>	22.2	19.0
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>12.4</b>	11.9	11.3



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0813017  
**N° de laboratoire** : 02572189  
**Numéro unique** : 5617240  
**Analyse** : MOB 1

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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.