



# RAPPORT D'ANALYSE D'HUILE

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

Secteur

**3000 series**

Identité de la machine

**Navistar 3285**

Composant

**Moteur diesel**

Fluid

**PETRO CANADA DURON SHP 10W30 (26 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>WC0889993</b>	WC0857921	WC0857901
Date d'échant.		Client Info		<b>05 Feb 2024</b>	30 Sep 2023	08 Sep 2023
Âge d la Machine	mls	Client Info		<b>484052</b>	467078	462527
Âge de l'huile	mls	Client Info		<b>16974</b>	17907	462527
Âge du filtre	mls	Client Info		<b>16974</b>	17907	462527
Huile changée		Client Info		<b>N/A</b>	Changed	Not Changd
Filtre changé		Client Info		<b>N/A</b>	Changed	Not Changd
Statut de l'échant.				<b>NORMAL</b>	NORMAL	NORMAL

## USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>61</b>	33	24
Chrome	ppm	ASTM D5185(m)	>20	<b>2</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	<1
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	0
Argent	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	<1
Aluminium	ppm	ASTM D5185(m)	>20	<b>10</b>	8	7
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	0	0
Cuivre	ppm	ASTM D5185(m)	>330	<b>3</b>	4	4
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Métal blanc	scalar	Visual*	NONE	<b>NONE</b>	---	---
Bronze	scalar	Visual*	NONE	<b>VLITE</b>	---	---

## CONTAMINATION

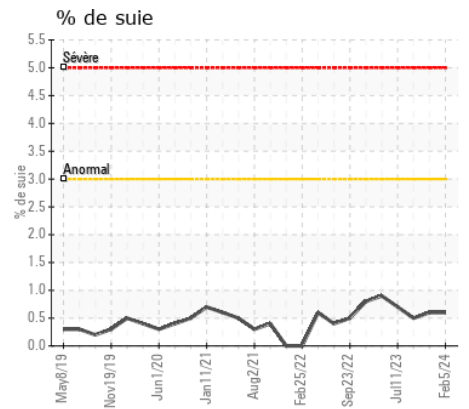
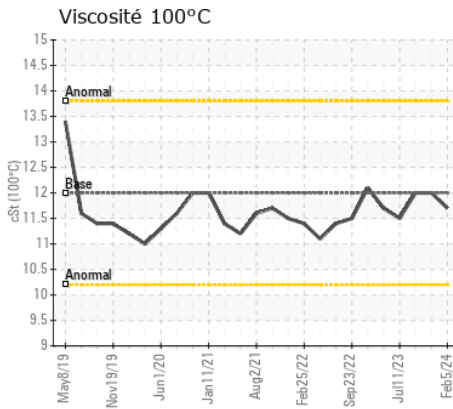
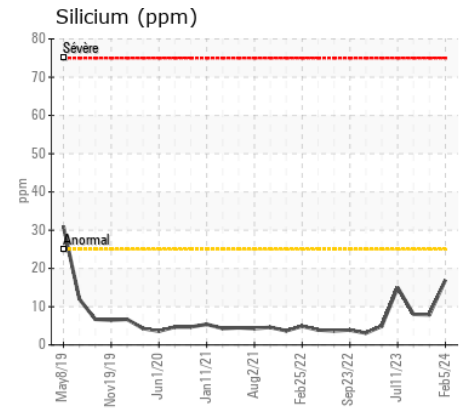
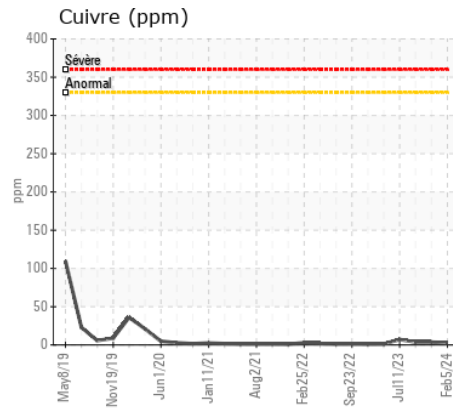
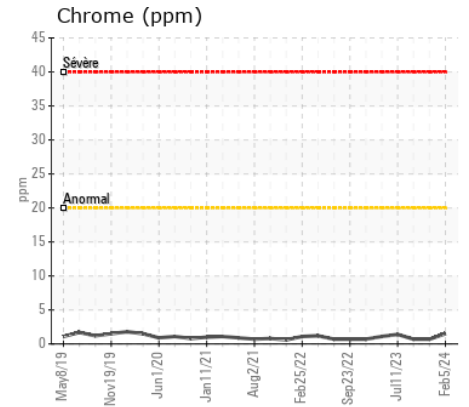
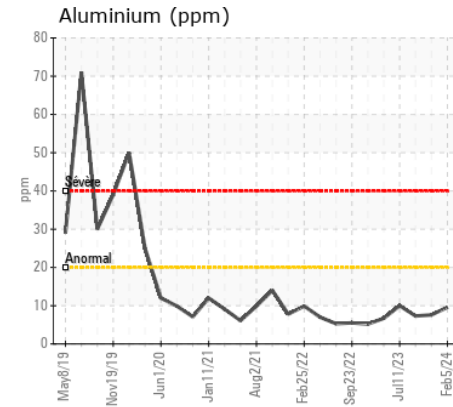
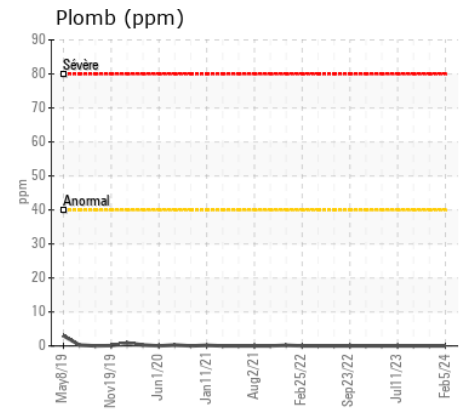
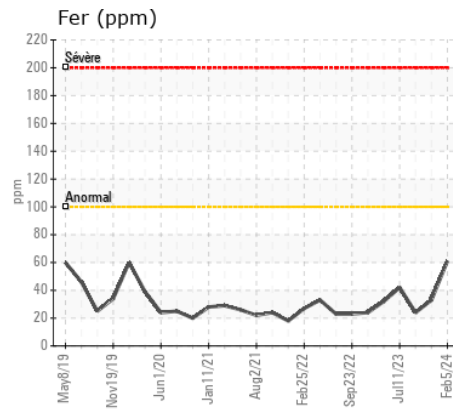
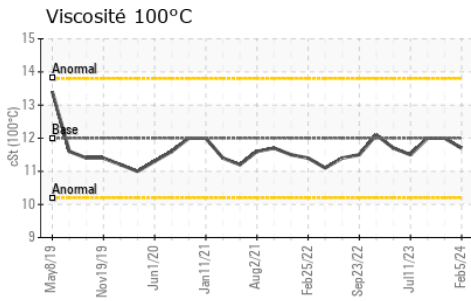
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>17</b>	8	8
Potassium	ppm	ASTM D5185(m)	>20	<b>18</b>	74	70
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
L'eau		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	0.0	0.0
% de suie	%	ASTM D7844*	>3	<b>0.6</b>	0.6	0.5
Nitration	Abs/cm	ASTM D7624*	>20	<b>13.9</b>	11.6	10.4
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>23.9</b>	22.8	20.9
Limon	scalar	Visual*	NONE	<b>NONE</b>	---	---
Débris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Saleté	scalar	Visual*	NONE	<b>NONE</b>	---	---
Apparence	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odeur	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
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>8</b>	27	25
Bore	ppm	ASTM D5185(m)	2	<b>1</b>	3	3
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Molybdène	ppm	ASTM D5185(m)	50	<b>60</b>	60	59
Manganèse	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>918</b>	830	848
Calcium	ppm	ASTM D5185(m)	1050	<b>1240</b>	966	965
Phosphore	ppm	ASTM D5185(m)	995	<b>994</b>	838	934
Zinc	ppm	ASTM D5185(m)	1180	<b>1207</b>	1069	1085
Soufre	ppm	ASTM D5185(m)	2600	<b>2778</b>	2314	2436
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>22.3</b>	19.8	17.6
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.7</b>	12.0	12.0



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

**N° d'échantillon** : WC0889993

**N° de laboratoire** : 02614959

**Numéro unique** : 5724054

**Analyse** : MOB 1 ( Additional Tests: Visual )

**Reçu** : 12 Feb 2024

**Tested** : 12 Feb 2024

**Diagnostiqué** : 12 Feb 2024 - Wes Davis

**MANITOU LIN TRANSPORT**

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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.