



# RAPPORT D'ANALYSE D'HUILE

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

Secteur

**52000 series**

Identité de la machine

**Navistar 52759**

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		<b>WC0889967</b>	WC0836023	WC0813009
Date d'échant.		Client Info		<b>23 Dec 2023</b>	18 Aug 2023	08 May 2023
Âge d la Machine	mls	Client Info		<b>30636</b>	534088	501387
Âge de l'huile	mls	Client Info		<b>30636</b>	32721	28969
Âge du filtre	mls	Client Info		<b>30636</b>	32721	28969
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

Metal levels are typical for a new component breaking in.

Fer	ppm	ASTM D5185(m)	>90	<b>108</b>	30	27
Chrome	ppm	ASTM D5185(m)	>20	<b>2</b>	1	1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	0
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Argent	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>7</b>	3	2
Plomb	ppm	ASTM D5185(m)	>40	<b>3</b>	5	2
Cuivre	ppm	ASTM D5185(m)	>330	<b>3</b>	<1	<1
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

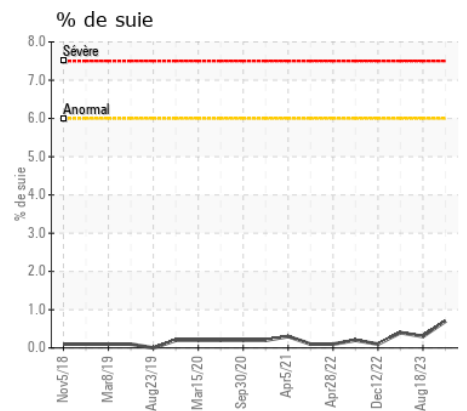
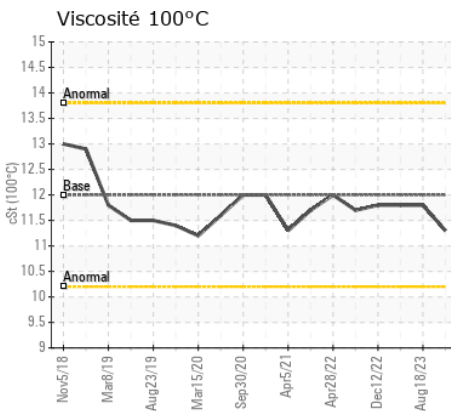
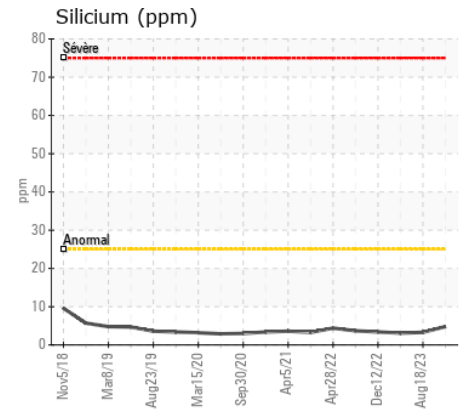
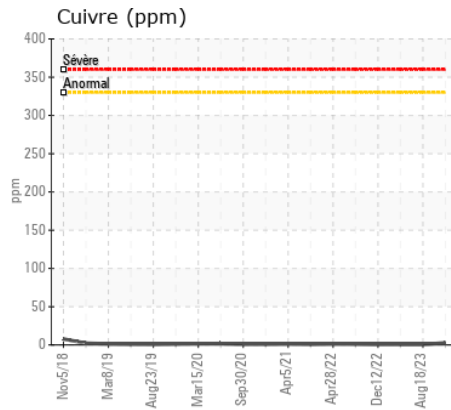
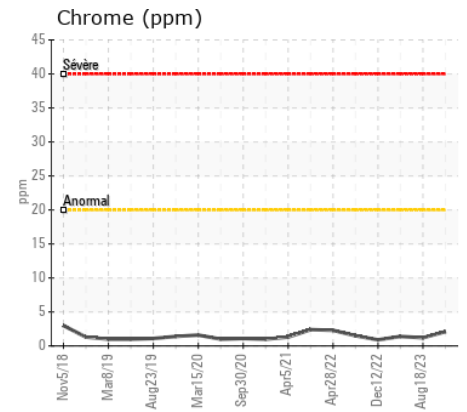
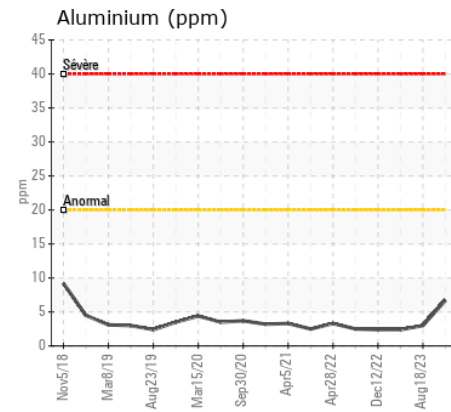
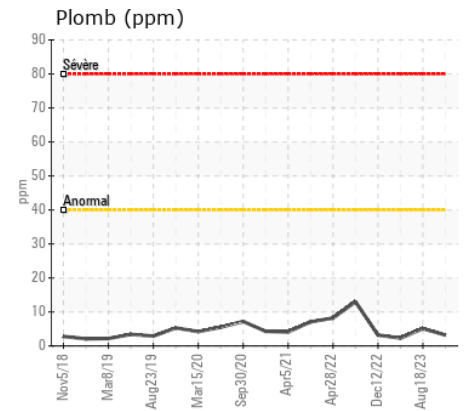
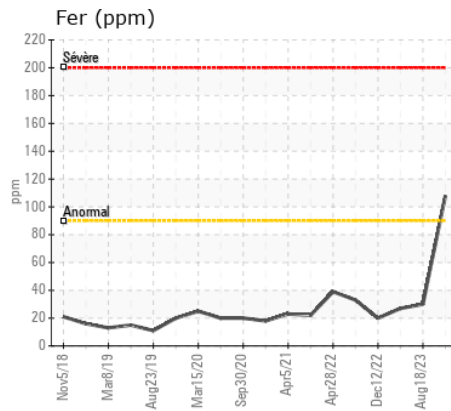
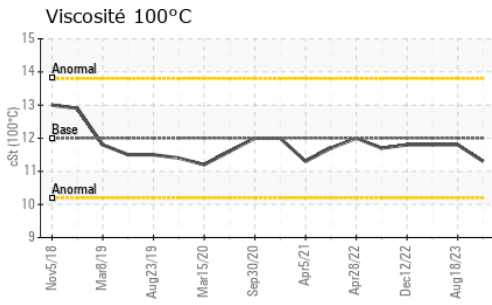
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>5</b>	3	3
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	2	<1
Essence		WC Method	>3.0	<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>	NEG	NEG
% de suie	%	ASTM D7844*	>6	<b>0.7</b>	0.3	0.4
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.7</b>	11.6	11.5
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>23.6</b>	23.5	22.9
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>2</b>	2	2
Bore	ppm	ASTM D5185(m)	2	<b>2</b>	3	2
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	50	<b>60</b>	63	64
Manganèse	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>973</b>	1035	1051
Calcium	ppm	ASTM D5185(m)	1050	<b>1122</b>	1106	1146
Phosphore	ppm	ASTM D5185(m)	995	<b>1010</b>	1093	1119
Zinc	ppm	ASTM D5185(m)	1180	<b>1211</b>	1273	1296
Soufre	ppm	ASTM D5185(m)	2600	<b>2543</b>	2430	2485
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>20.4</b>	20.5	19.5
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.3</b>	11.8	11.8



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0889967  
**N° de laboratoire** : 02610223  
**Numéro unique** : 5711309  
**Analyse** : MOB 1

**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.