



# 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 52659**

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>WC0915523</b>	WC0857910	WC0633644
Date d'échant.		Client Info		<b>24 Mar 2024</b>	19 Sep 2023	22 Dec 2021
Âge d la Machine	mls	Client Info		<b>562910</b>	68739	488612
Âge de l'huile	mls	Client Info		<b>26221</b>	68739	20564
Âge du filtre	mls	Client Info		<b>26221</b>	68739	20564
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)	>165	<b>24</b>	31	36
Chrome	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	1	2
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Argent	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Aluminium	ppm	ASTM D5185(m)	>20	<b>3</b>	4	4
Plomb	ppm	ASTM D5185(m)	>150	<b>2</b>	3	6
Cuivre	ppm	ASTM D5185(m)	>90	<b>&lt;1</b>	1	2
Étain	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

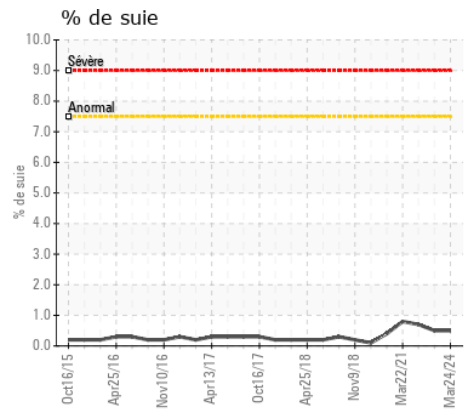
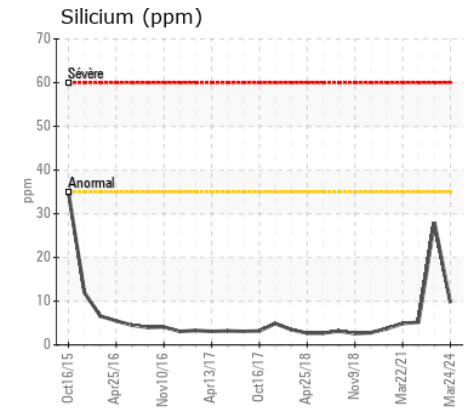
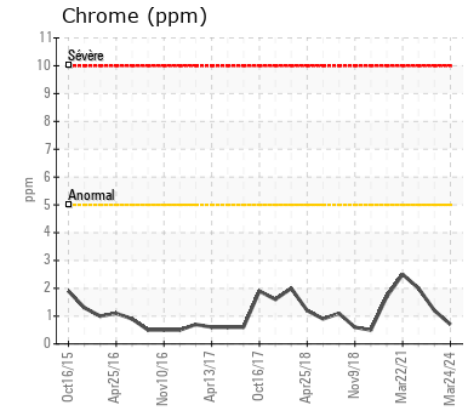
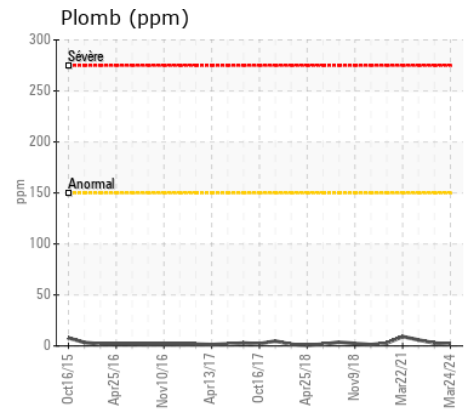
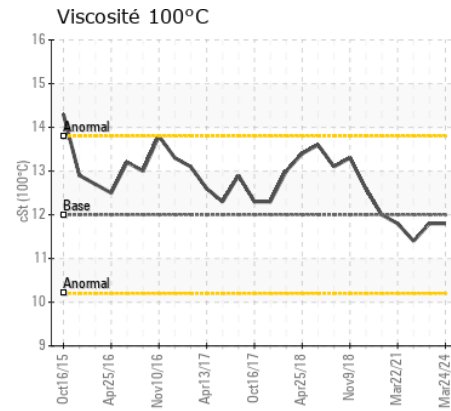
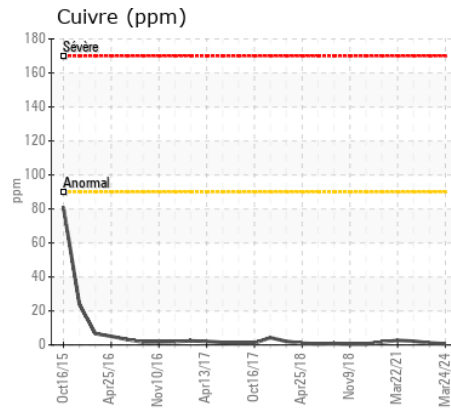
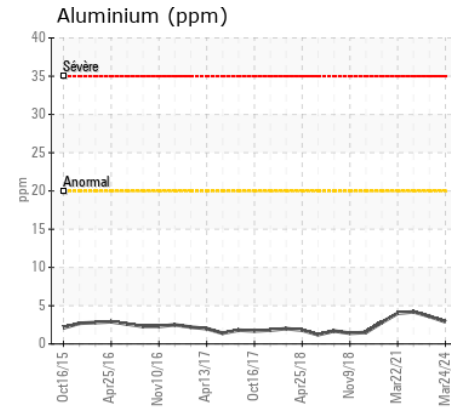
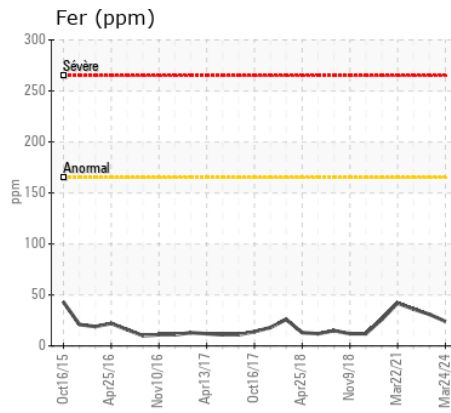
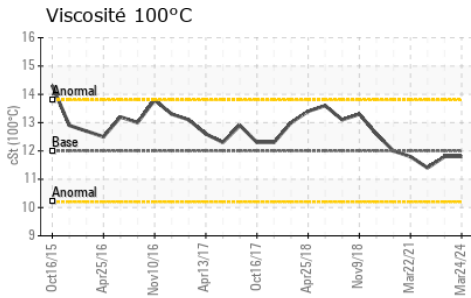
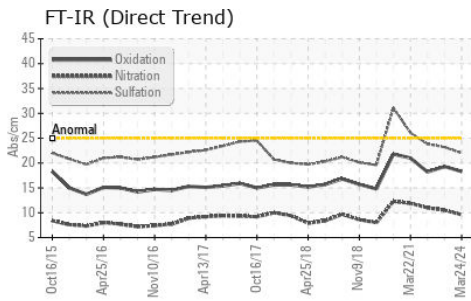
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>35	<b>10</b>	28	5
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	0
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*	>7.5	<b>0.5</b>	0.5	0.7
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.6</b>	10.5	11.0
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>22.0</b>	23.2	23.8
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>3</b>	5	4
Bore	ppm	ASTM D5185(m)	2	<b>8</b>	48	6
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Molybdène	ppm	ASTM D5185(m)	50	<b>58</b>	49	56
Manganèse	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>888</b>	395	955
Calcium	ppm	ASTM D5185(m)	1050	<b>1177</b>	1838	1445
Phosphore	ppm	ASTM D5185(m)	995	<b>987</b>	1045	1147
Zinc	ppm	ASTM D5185(m)	1180	<b>1186</b>	1240	1368
Soufre	ppm	ASTM D5185(m)	2600	<b>2488</b>	2771	2672
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>18.3</b>	19.3	18.2
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.8</b>	11.8	11.4



ISO 17025:2017  
Accredited  
Laboratory

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

**N° d'échantillon** : WC0915523

**N° de laboratoire** : 02626907

**Numéro unique** : 5760039

**Analyse** : MOB 1

**Reçu** : 05 Apr 2024

**Tested** : 05 Apr 2024

**Diagnostiqué** : 05 Apr 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.