



RAPPORT D'ANALYSE D'HUILE

USURE	ANORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur

52000 series

Identité de la machine

Navistar 52801

Composant

Moteur diesel

Fluide

PETRO CANADA DURON SHP 10W30 (40 LTR)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

USURE

Iron ppm levels are abnormal. A sharp increase in the iron level is noted. Cylinder, crank, or cam shaft wear is indicated.

CONTAMINATION

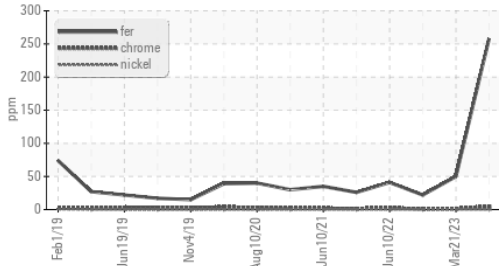
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

ÉTAT DU FLUIDE

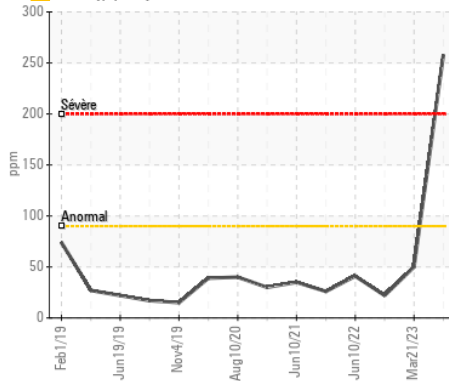
The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0857923	WC0787338	WC0758564
Date d'échant.		Client Info		26 Sep 2023	21 Mar 2023	25 Nov 2022
Âge d la Machine	mls	Client Info		65590	354758	321737
Âge de l'huile	mls	Client Info		65590	25622	27526
Âge du filtre	mls	Client Info		65590	25622	27526
Huile changée		Client Info		N/A	Changed	Changed
Filtre changé		Client Info		N/A	Changed	Changed
Statut de l'échant.				ABNORMAL	ABNORMAL	NORMAL
PQ		ASTM D8184*		0	---	---
Fer	ppm	ASTM D5185(m)	>90	▲ 258	50	22
Chrome	ppm	ASTM D5185(m)	>20	5	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	0	0
Aluminium	ppm	ASTM D5185(m)	>20	7	8	6
Plomb	ppm	ASTM D5185(m)	>40	19	8	6
Cuivre	ppm	ASTM D5185(m)	>330	4	2	1
Étain	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Silicium	ppm	ASTM D5185(m)	>25	8	4	3
Potassium	ppm	ASTM D5185(m)	>20	7	8	8
Essence		WC Method	>3.0	<1.0	▲ 1.4	<1.0
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>6	1.1	1	0.3
Nitration	Abs/cm	ASTM D7624*	>20	13.7	13.4	10.2
Sulfatation	Abs/.1mm	ASTM D7415*	>30	26.6	23.8	22.4
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		3	4	2
Bore	ppm	ASTM D5185(m)	2	3	3	2
Baryum	ppm	ASTM D5185(m)	0	0	0	0
Molybdène	ppm	ASTM D5185(m)	50	65	63	57
Manganèse	ppm	ASTM D5185(m)	0	2	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	1020	1015	947
Calcium	ppm	ASTM D5185(m)	1050	1121	1255	1107
Phosphore	ppm	ASTM D5185(m)	995	1061	1132	1034
Zinc	ppm	ASTM D5185(m)	1180	1283	1308	1183
Soufre	ppm	ASTM D5185(m)	2600	2299	2568	2389
Oxydation	Abs/.1mm	ASTM D7414*	>25	24.2	20.0	18.2
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.5	▲ 10.0	11.2

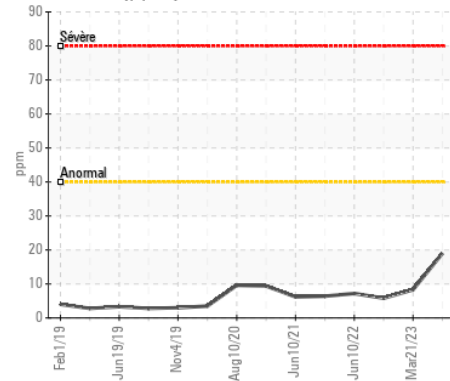
▲ **Alliages ferreux**



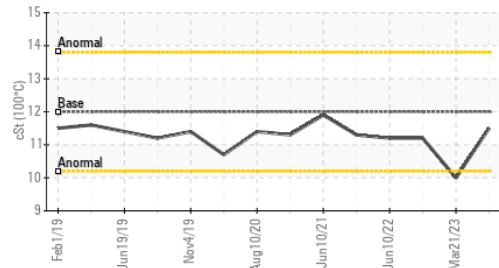
▲ **Fer (ppm)**



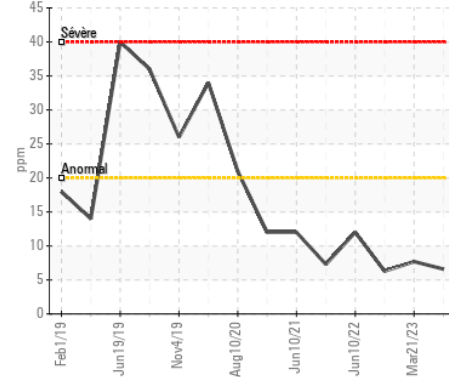
Plomb (ppm)



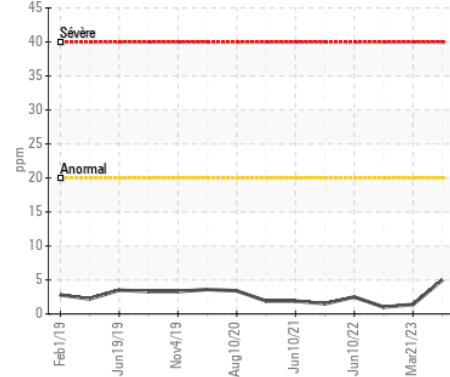
Viscosité 100°C



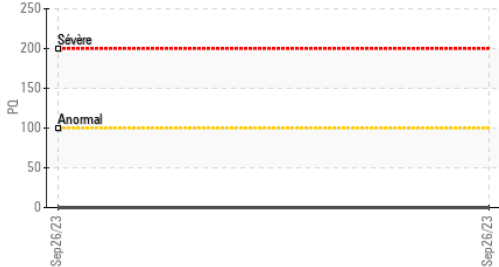
Aluminium (ppm)



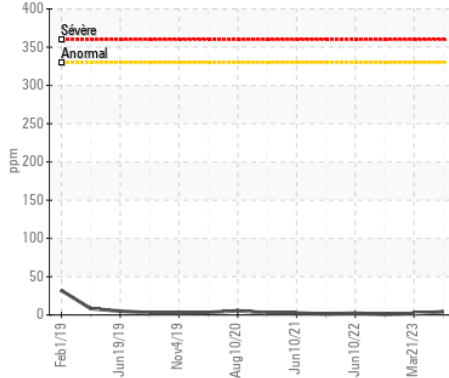
Chrome (ppm)



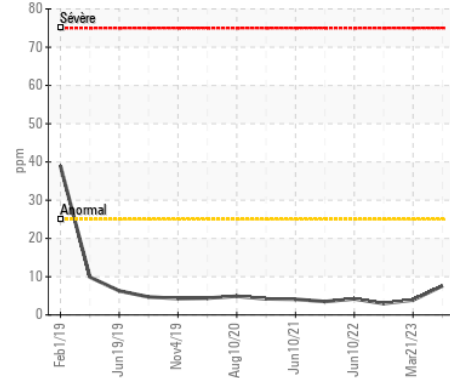
PQ



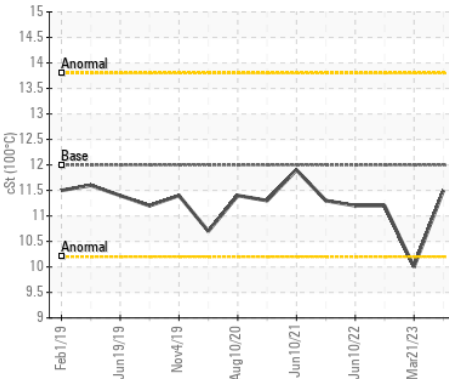
Cuivre (ppm)



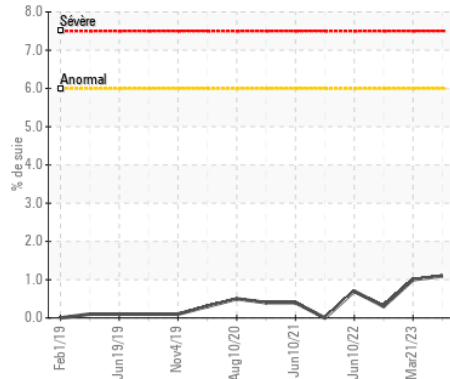
Silicium (ppm)



Viscosité 100°C



% de suie



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0857923
N° de laboratoire : 02589220
Numéro unique : 5658286
Analyse : MOB 1 (Additional Tests: PQ)

Reçu : 16 Oct 2023
Diagnostiqué : 16 Oct 2023
Diagnostiqueur : Kevin Marson

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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.