



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur

52000 series

Identité de la machine

Navistar 52809

Composant

Moteur diesel

Fluide

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		WC0857929	WC0857912	WC0836034
Date d'échant.		Client Info		16 Oct 2023	21 Sep 2023	30 Jun 2023
Âge d la Machine	mls	Client Info		507657	147233	480468
Âge de l'huile	mls	Client Info		27182	34108	35100
Âge du filtre	mls	Client Info		27182	34108	35100
Huile changée		Client Info		Changed	Changed	Changed
Filtre changé		Client Info		Changed	Changed	Changed
Statut de l'échant.				NORMAL	NORMAL	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>90	45	22	39
Chrome	ppm	ASTM D5185(m)	>20	1	1	1
Nickel	ppm	ASTM D5185(m)	>2	0	<1	0
Titane	ppm	ASTM D5185(m)	>2	0	0	0
Argent	ppm	ASTM D5185(m)	>2	<1	<1	<1
Aluminium	ppm	ASTM D5185(m)	>20	20	8	8
Plomb	ppm	ASTM D5185(m)	>40	7	4	15
Cuivre	ppm	ASTM D5185(m)	>330	2	2	1
Étain	ppm	ASTM D5185(m)	>15	<1	1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

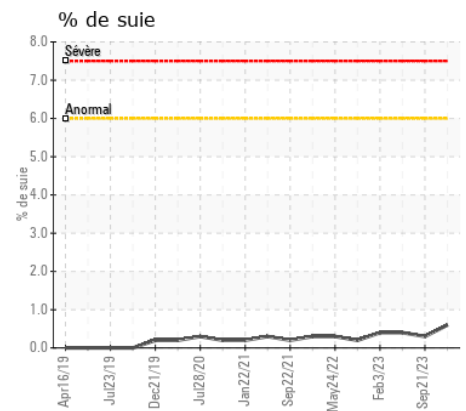
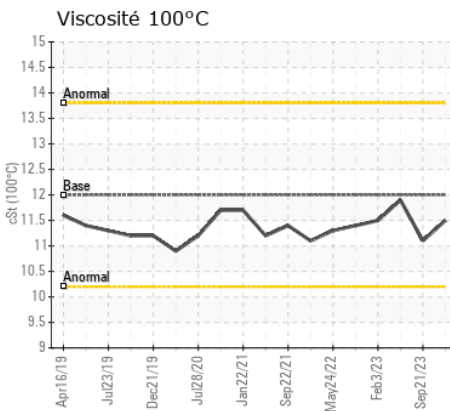
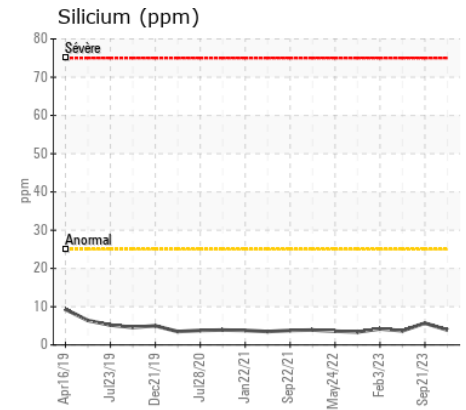
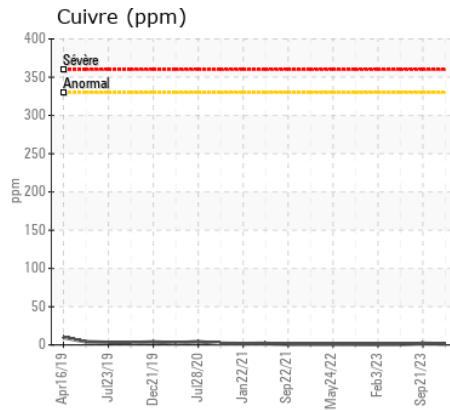
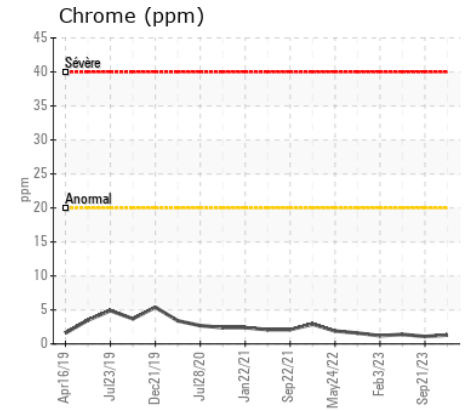
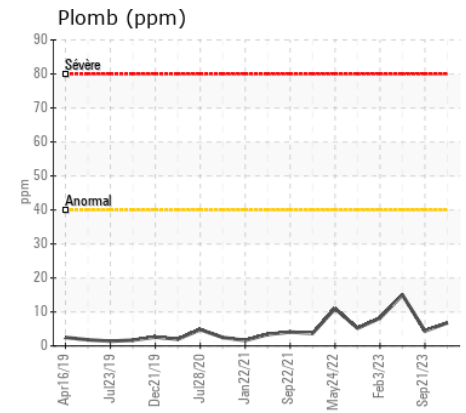
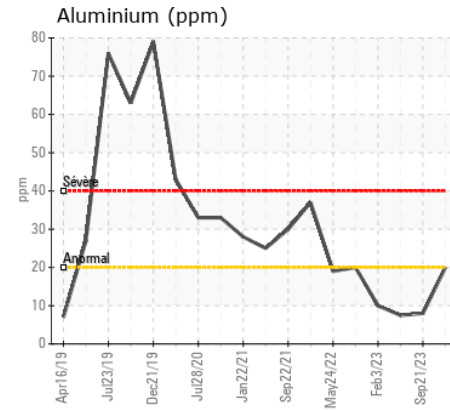
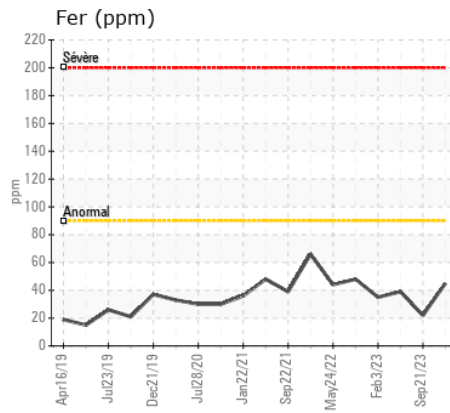
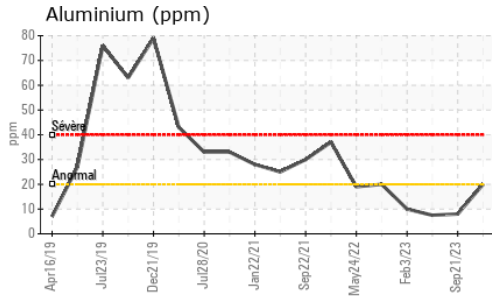
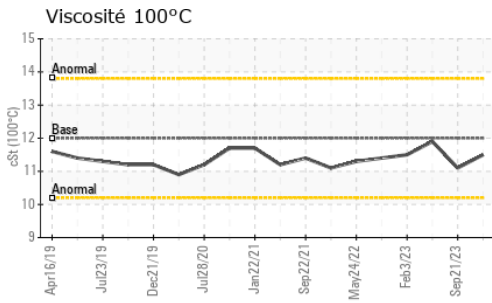
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	4	6	4
Potassium	ppm	ASTM D5185(m)	>20	41	15	13
Essence		WC Method	>3.0	<1.0	<1.0	<1.0
L'eau		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>6	0.6	0.3	0.4
Nitration	Abs/cm	ASTM D7624*	>20	12.6	9.3	12.7
Sulfatation	Abs/.1mm	ASTM D7415*	>30	24.9	20.8	24.5
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

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

Sodium	ppm	ASTM D5185(m)		2	2	2
Bore	ppm	ASTM D5185(m)	2	2	3	2
Baryum	ppm	ASTM D5185(m)	0	0	<1	0
Molybdène	ppm	ASTM D5185(m)	50	63	61	65
Manganèse	ppm	ASTM D5185(m)	0	0	0	<1
Magnésium	ppm	ASTM D5185(m)	950	1034	977	1079
Calcium	ppm	ASTM D5185(m)	1050	1204	1059	1163
Phosphore	ppm	ASTM D5185(m)	995	1090	1002	1168
Zinc	ppm	ASTM D5185(m)	1180	1319	1203	1323
Soufre	ppm	ASTM D5185(m)	2600	2633	2367	2596
Oxydation	Abs/.1mm	ASTM D7414*	>25	21.2	16.8	21.4
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.5	11.1	11.9



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0857929
N° de laboratoire : 02598719
Numéro unique : 5683799
Analyse : MOB 1

Reçu : 24 Nov 2023
Diagnostiqueur : Wes Davis

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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.