



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur

5000 Series

Identité de la machine

AUTOCAR 5012

Composant

Moteur diesel

Fluide

PETRO CANADA DURON SHP 10W30 (16 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		WC0813029	WC0682645	WC0656252
Date d'échant.		Client Info		19 Jun 2023	03 Jun 2022	03 Mar 2022
Âge d la Machine	hrs	Client Info		14935	14936	14048
Âge de l'huile	hrs	Client Info		0	888	855
Âge du filtre	hrs	Client Info		0	888	855
Huile changée		Client Info		N/A	Changed	Changed
Filtre changé		Client Info		N/A	Changed	Changed
Statut de l'échant.				NORMAL	NORMAL	ABNORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>130	25	49	82
Chrome	ppm	ASTM D5185(m)	>10	1	1	2
Nickel	ppm	ASTM D5185(m)	>4	<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	12	6	▲ 22
Plomb	ppm	ASTM D5185(m)	>20	1	2	4
Cuivre	ppm	ASTM D5185(m)	>125	4	<1	2
Étain	ppm	ASTM D5185(m)	>4	<1	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

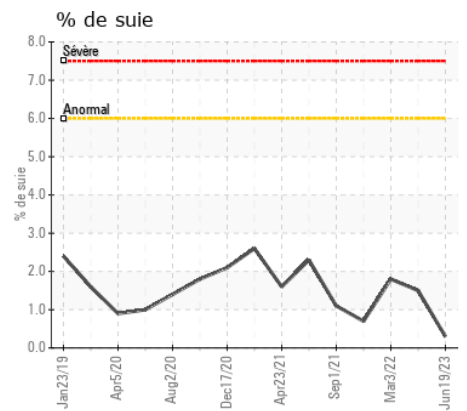
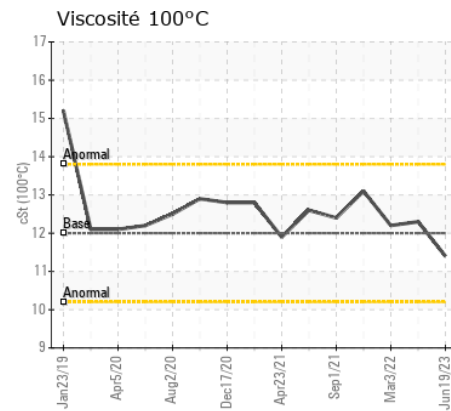
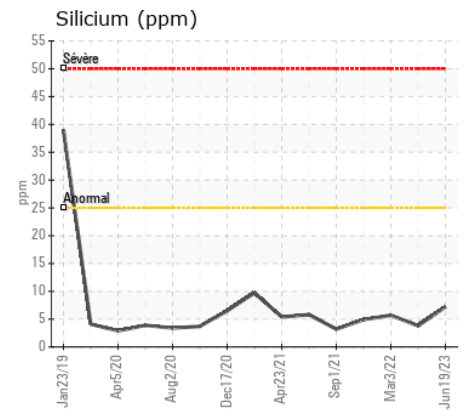
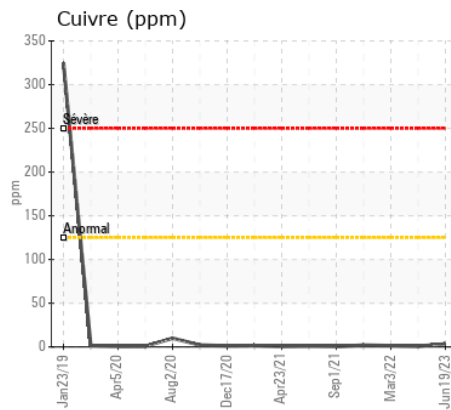
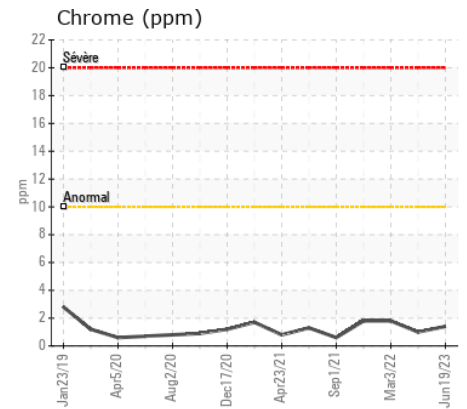
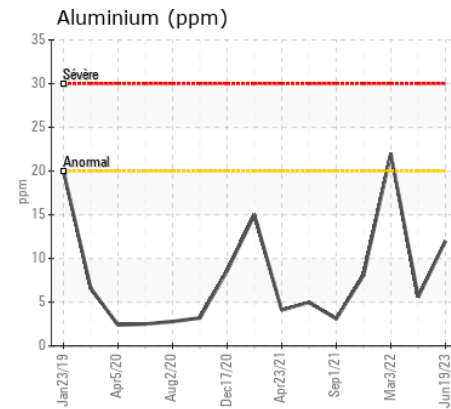
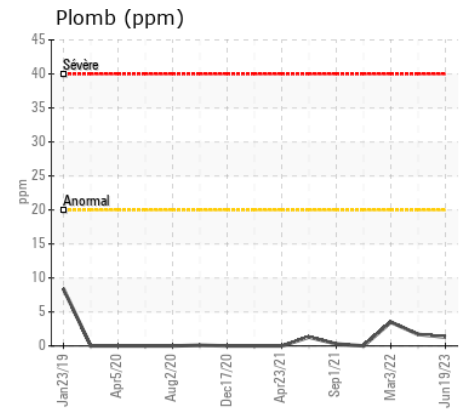
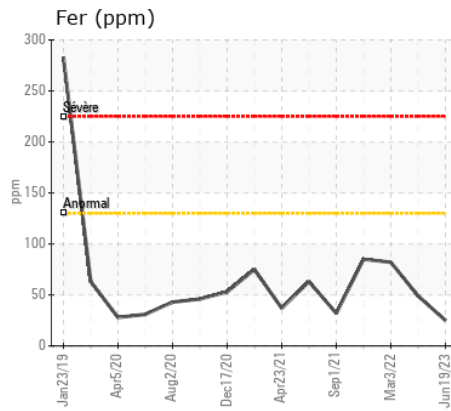
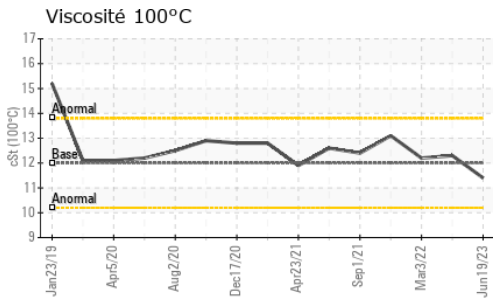
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	7	4	6
Potassium	ppm	ASTM D5185(m)	>20	24	<1	3
Essence		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>6	0.3	1.5	1.8
Nitration	Abs/cm	ASTM D7624*	>20	9.6	13.7	14.5
Sulfatation	Abs/.1mm	ASTM D7415*	>30	21.7	26.1	27.7
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	6	1	3
Baryum	ppm	ASTM D5185(m)	0	<1	0	0
Molybdène	ppm	ASTM D5185(m)	50	63	57	59
Manganèse	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	995	936	1004
Calcium	ppm	ASTM D5185(m)	1050	1131	1185	1115
Phosphore	ppm	ASTM D5185(m)	995	1096	1002	1043
Zinc	ppm	ASTM D5185(m)	1180	1249	1258	1221
Soufre	ppm	ASTM D5185(m)	2600	2512	2551	2467
Oxydation	Abs/.1mm	ASTM D7414*	>25	16.8	22.7	25.3
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.4	12.3	12.2



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0813029
N° de laboratoire : 02579611
Numéro unique : 5632671
Analyse : MOB 1

MANITOU LIN TRANSPORT

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Reçu : 31 Aug 2023
 Diagnostiqué : 31 Aug 2023
 Diagnostiqueur : Wes Davis

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.