



USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur

MICHAUDVILLE

Identité de la machine

1209

Composant

Moteur diesel

Fluid

PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		PC0083760	PC0082295	PC0075869
Date d'échant.		Client Info		14 Apr 2024	15 Oct 2023	10 Oct 2023
Âge d la Machine	hrs	Client Info		17826	17423	17362
Âge de l'huile	hrs	Client Info		0	0	0
Âge du filtre	hrs	Client Info		0	0	0
Huile changée		Client Info		N/A	N/A	N/A
Filtre changé		Client Info		N/A	N/A	N/A
Statut de l'échant.				NORMAL	NORMAL	ABNORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	6	4	10
Chrome	ppm	ASTM D5185(m)	>20	0	0	<1
Nickel	ppm	ASTM D5185(m)	>4	0	0	0
Titane	ppm	ASTM D5185(m)		0	0	0
Argent	ppm	ASTM D5185(m)	>3	0	<1	<1
Aluminium	ppm	ASTM D5185(m)	>20	2	2	6
Plomb	ppm	ASTM D5185(m)	>40	<1	<1	3
Cuivre	ppm	ASTM D5185(m)	>330	<1	<1	<1
Étain	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

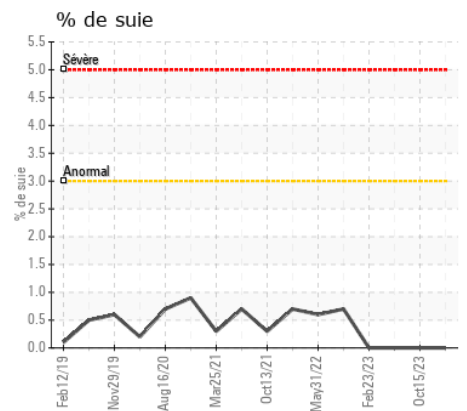
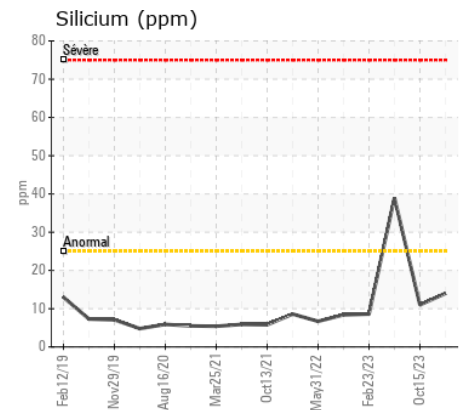
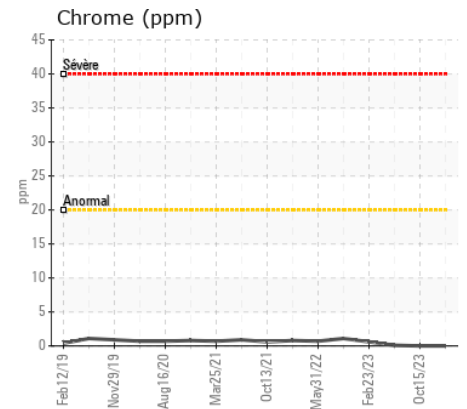
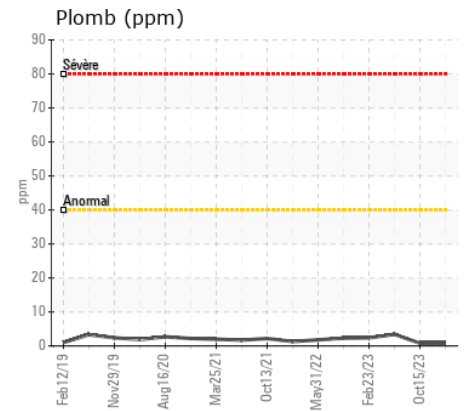
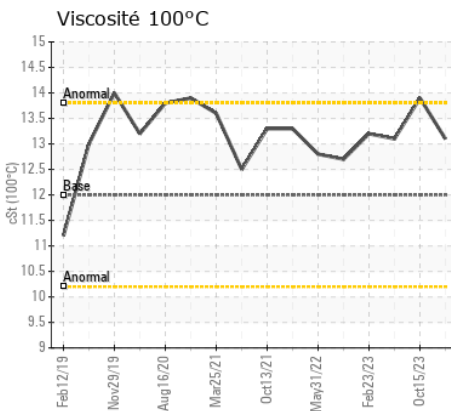
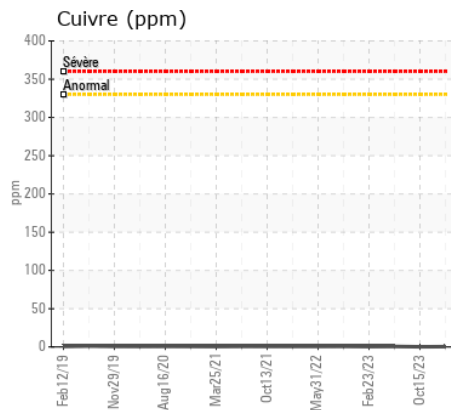
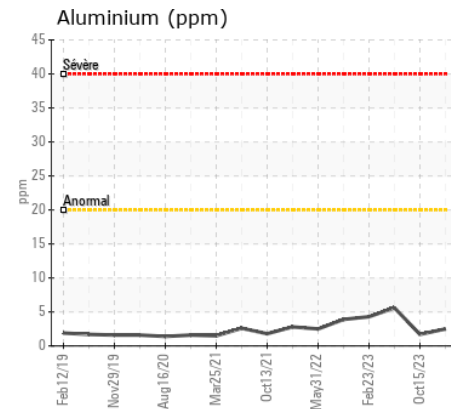
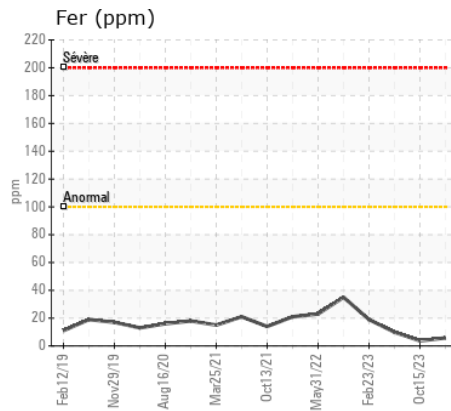
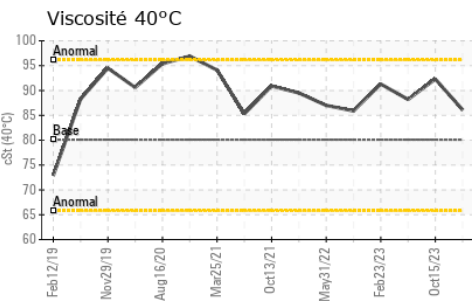
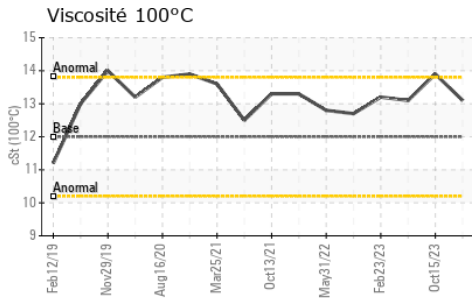
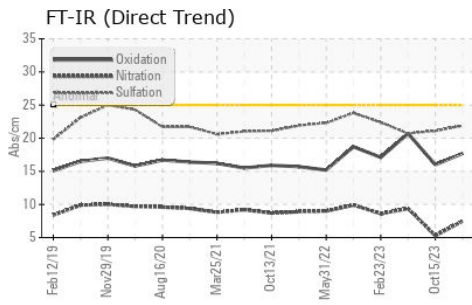
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	14	11	▲ 39
Potassium	ppm	ASTM D5185(m)	>20	7	2	18
Essence		WC Method	>5	<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*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	7.5	5.3	9.4
Sulfatation	Abs/.1mm	ASTM D7415*	>30	21.9	21.1	20.7
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)		3	2	4
Bore	ppm	ASTM D5185(m)	2	1	1	2
Baryum	ppm	ASTM D5185(m)	0	0	<1	<1
Molybdène	ppm	ASTM D5185(m)	50	55	53	59
Manganèse	ppm	ASTM D5185(m)	0	0	0	0
Magnésium	ppm	ASTM D5185(m)	950	920	869	953
Calcium	ppm	ASTM D5185(m)	1050	1278	1238	1183
Phosphore	ppm	ASTM D5185(m)	995	1029	1013	1043
Zinc	ppm	ASTM D5185(m)	1180	1214	1177	1253
Soufre	ppm	ASTM D5185(m)	2600	2641	2705	2633
Oxydation	Abs/.1mm	ASTM D7414*	>25	17.7	16.0	20.7
Visc 40°C	cSt	ASTM D7279(m)	80.1	86.1	92.3	88.2
Visc 100°C	cSt	ASTM D7279(m)	12.00	13.1	13.9	13.1
Indice de viscosité (VI)	Scale	ASTM D2270*	144	152	153	148



ISO 17025:2017
Accredited
Laboratory

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

N° d'échantillon : PC0083760

N° de laboratoire : 02628739

Numéro unique : 5761871

Analyse : MOB 1 (Additional Tests: KV40, VI)

Reçu : 15 Apr 2024

Tested : 16 Apr 2024

Diagnostiqué : 16 Apr 2024 - Kevin Marson

LES ENTREPRISES MICHAUVILLE INC.

270 RUE BRUNET

MONT ST-HILAIRE, QC

CA J3H 0M6

Contact: Martin Trudel

mtrudel@michaudville.com

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.

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