



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur
MICHAUDVILLE

Identité de la machine

1592

Composant

Moteur diesel

Fluide

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		PC0082247	PC0070973	PC0060426
Date d'échant.		Client Info		20 Sep 2023	16 Apr 2023	28 Sep 2022
Âge d la Machine	hrs	Client Info		17596	16635	16149
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	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	20	17	21
Chrome	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	0	<1	0
Titane	ppm	ASTM D5185(m)		0	<1	<1
Argent	ppm	ASTM D5185(m)	>3	0	0	0
Aluminium	ppm	ASTM D5185(m)	>20	15	2	2
Plomb	ppm	ASTM D5185(m)	>40	6	4	6
Cuivre	ppm	ASTM D5185(m)	>330	<1	<1	3
Étain	ppm	ASTM D5185(m)	>15	0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

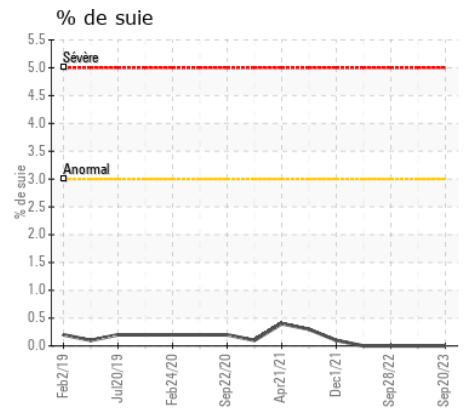
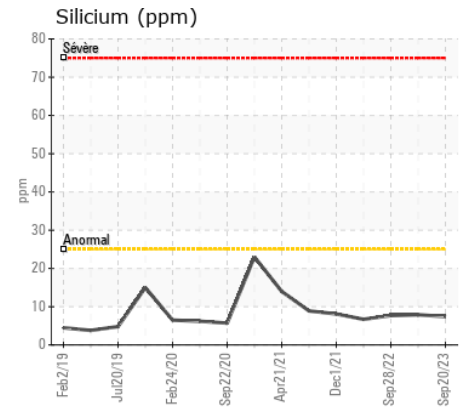
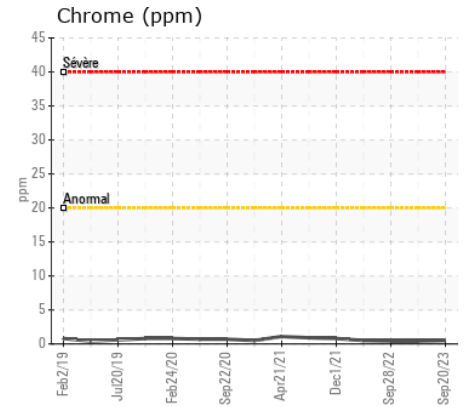
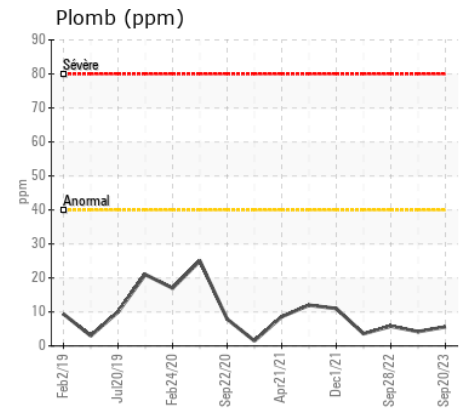
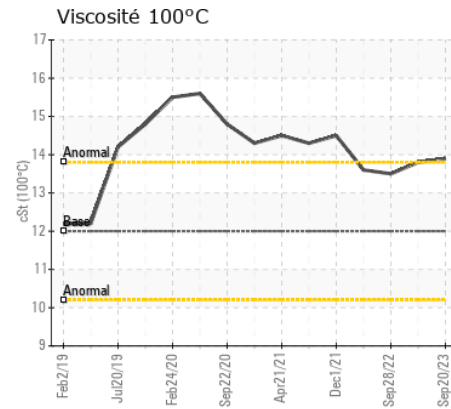
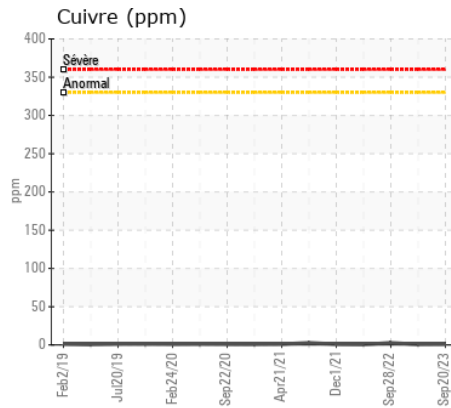
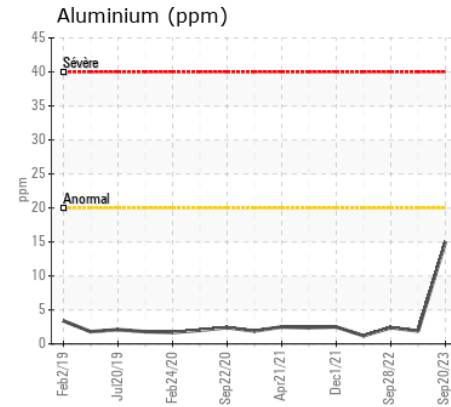
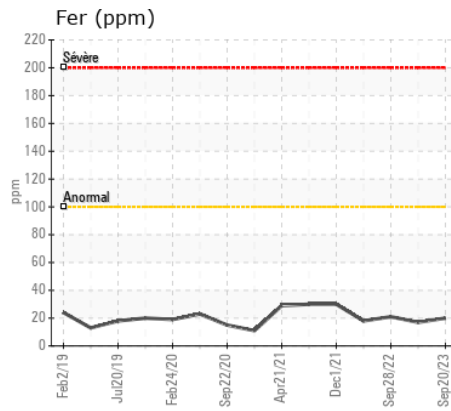
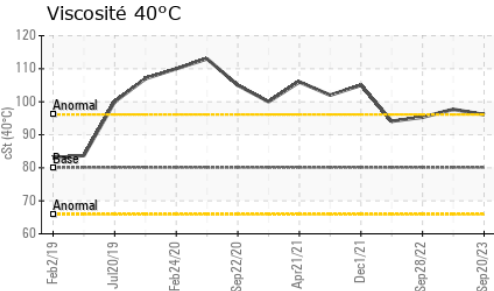
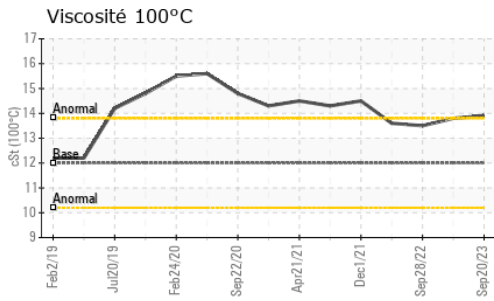
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	7	8	8
Potassium	ppm	ASTM D5185(m)	>20	43	14	6
Essence		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	0.0	NEG
% de suie	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	10.5	10.6	11.5
Sulfatation	Abs/.1mm	ASTM D7415*	>30	23.6	23.1	25.3
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)		4	4	5
Bore	ppm	ASTM D5185(m)	2	2	3	4
Baryum	ppm	ASTM D5185(m)	0	0	0	0
Molybdène	ppm	ASTM D5185(m)	50	64	68	63
Manganèse	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	1081	1124	1069
Calcium	ppm	ASTM D5185(m)	1050	1226	1350	1406
Phosphore	ppm	ASTM D5185(m)	995	1191	1249	1230
Zinc	ppm	ASTM D5185(m)	1180	1341	1399	1384
Soufre	ppm	ASTM D5185(m)	2600	2691	2858	2825
Oxydation	Abs/.1mm	ASTM D7414*	>25	21.2	20.9	22.9
Visc 40°C	cSt	ASTM D7279(m)	80.1	96.1	97.7	95.3
Visc 100°C	cSt	ASTM D7279(m)	12.00	13.9	13.8	13.5
Indice de viscosité (VI)	Scale	ASTM D2270*	144	147	142	142



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUDVILLE INC.
N° d'échantillon : PC0082247 **Reçu** : 21 Sep 2023
N° de laboratoire : 02584310 **Diagnostiqué** : 21 Sep 2023
Numéro unique : 5645375 **Diagnostiqueur** : Wes Davis
Analyse : MOB 1 (Additional Tests: KV40, VI)

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.