



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur
MICHAUDVILLE
Identité de la machine
1221

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		PC0088527	PC0077672	PC0077394
Date d'échant.		Client Info		01 Apr 2024	19 Dec 2023	13 Sep 2023
Âge d la Machine	hrs	Client Info		11251	10954	10510
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	SEVERE	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	11	18	11
Chrome	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>4	0	<1	<1
Titane	ppm	ASTM D5185(m)		0	0	0
Argent	ppm	ASTM D5185(m)	>3	0	0	0
Aluminium	ppm	ASTM D5185(m)	>20	2	4	2
Plomb	ppm	ASTM D5185(m)	>40	0	0	0
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

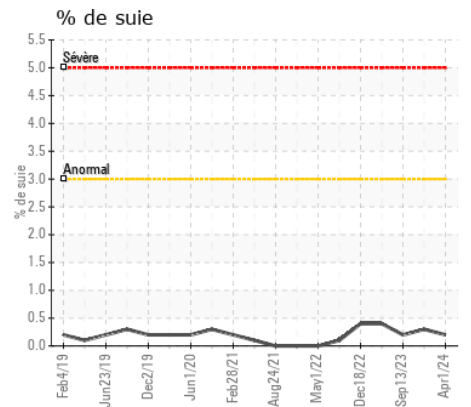
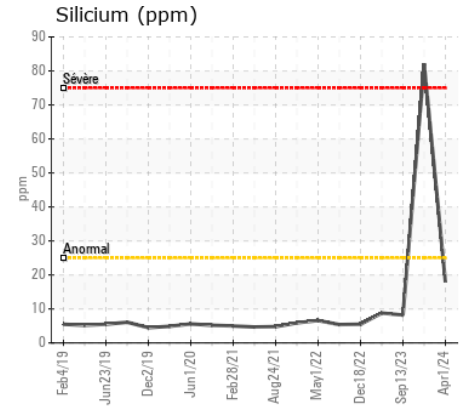
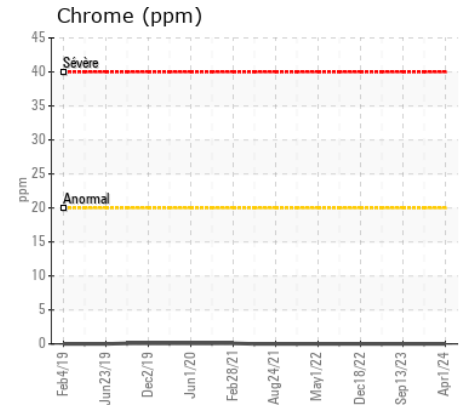
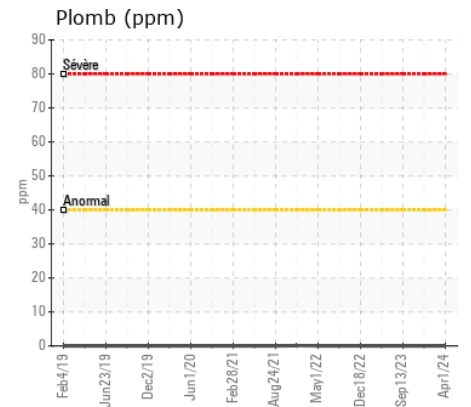
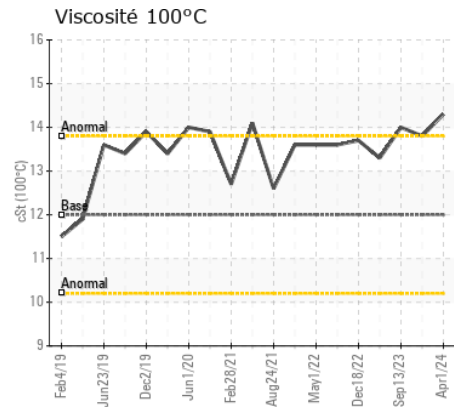
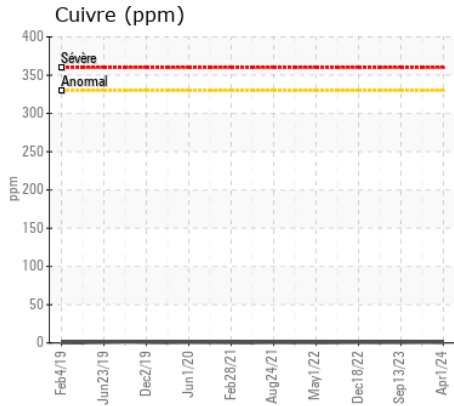
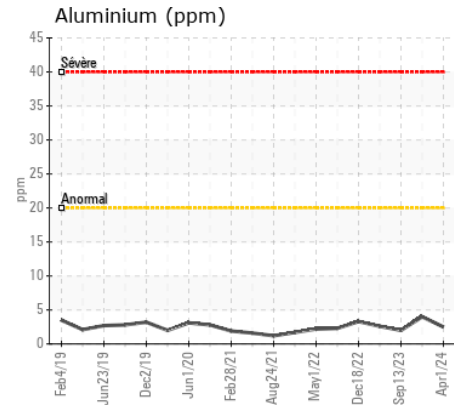
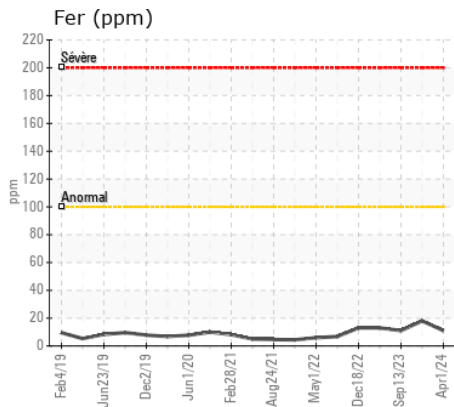
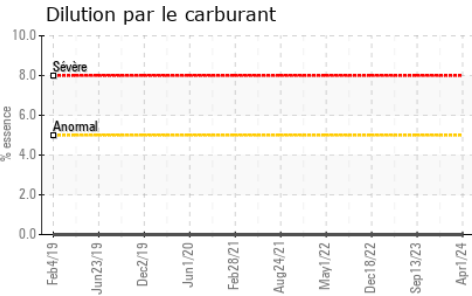
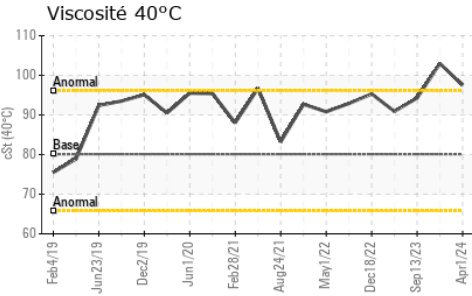
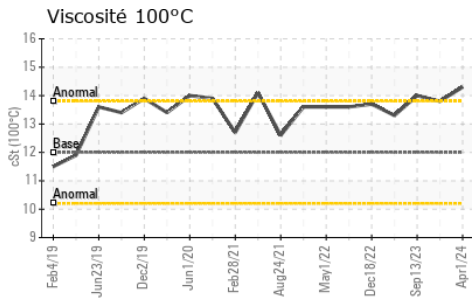
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	18	▲ 82	8
Potassium	ppm	ASTM D5185(m)	>20	3	10	3
Essence	%	ASTM D7593*	>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	0.2	0.3	0.2
Nitration	Abs/cm	ASTM D7624*	>20	6.7	8.3	7.5
Sulfatation	Abs/.1mm	ASTM D7415*	>30	19.1	21.5	19.7
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

Viscosity of sample indicates oil is within SAE 5W40 range, advise investigate. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		1	3	1
Bore	ppm	ASTM D5185(m)	2	14	113	1
Baryum	ppm	ASTM D5185(m)	0	0	0	0
Molybdène	ppm	ASTM D5185(m)	50	50	11	57
Manganèse	ppm	ASTM D5185(m)	0	0	0	<1
Magnésium	ppm	ASTM D5185(m)	950	823	62	942
Calcium	ppm	ASTM D5185(m)	1050	1258	2179	1130
Phosphore	ppm	ASTM D5185(m)	995	976	956	1081
Zinc	ppm	ASTM D5185(m)	1180	1185	1133	1192
Soufre	ppm	ASTM D5185(m)	2600	2589	2983	2590
Oxydation	Abs/.1mm	ASTM D7414*	>25	14.6	17.0	15.4
Visc 40°C	cSt	ASTM D7279(m)	80.1	97.5	103	94.3
Visc 100°C	cSt	ASTM D7279(m)	12.00	14.3	13.8	14.0
Indice de viscosité (VI)	Scale	ASTM D2270*	144	150	134	151



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : PC0088527
N° de laboratoire : 02625973
Numéro unique : 5759105
Analyse : MOB 1 (Additional Tests: FUELDILUTION, KV40, VI)

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.