



Identité de la machine
MACK 4024
Composant
Moteur diesel
Fluide
PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMANDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		PC0076037	PC0065029	PC0054180
Date d'échant.		Client Info		17 Jul 2023	08 Jul 2022	27 Jan 2022
Âge d la Machine	kms	Client Info		144472	65677	31815
Âge de l'huile	kms	Client Info		45709	15811	31815
Âge du filtre	kms	Client Info		45709	15811	31815
Huile changée		Client Info		Changed	Changed	Changed
Filtre changé		Client Info		Changed	Changed	Changed
Statut de l'échant.				NORMAL	NORMAL	ABNORMAL

USURE

Les taux d'usure de tous les composants sont normaux.

Fer	ppm	ASTM D5185(m)	>120	27	22	50
Chrome	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	3	<1	2
Titane	ppm	ASTM D5185(m)	>2	0	<1	0
Argent	ppm	ASTM D5185(m)	>2	<1	<1	<1
Aluminium	ppm	ASTM D5185(m)	>20	4	8	25
Plomb	ppm	ASTM D5185(m)	>40	3	9	10
Cuivre	ppm	ASTM D5185(m)	>330	60	249	248
Étain	ppm	ASTM D5185(m)	>15	2	2	6
Vanadium	ppm	ASTM D5185(m)		0	0	<1

CONTAMINATION

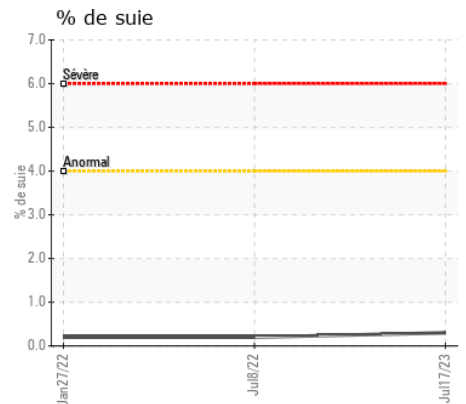
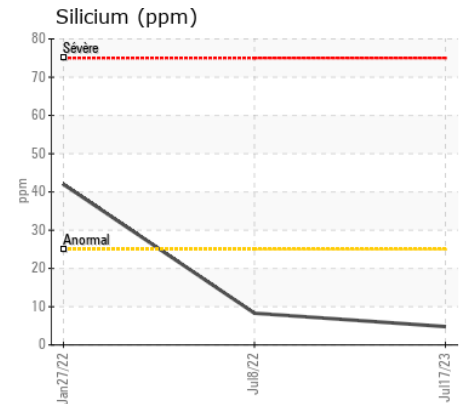
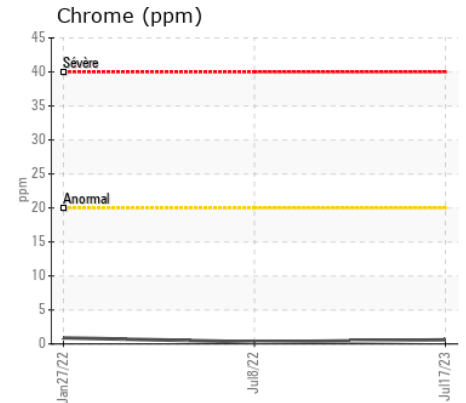
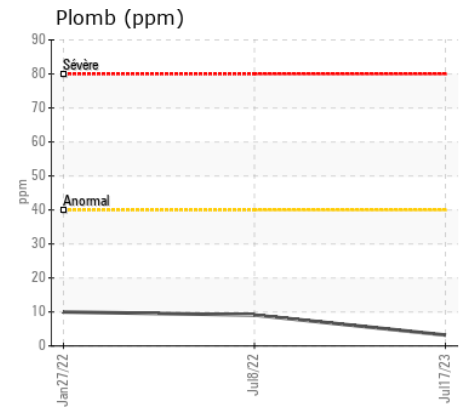
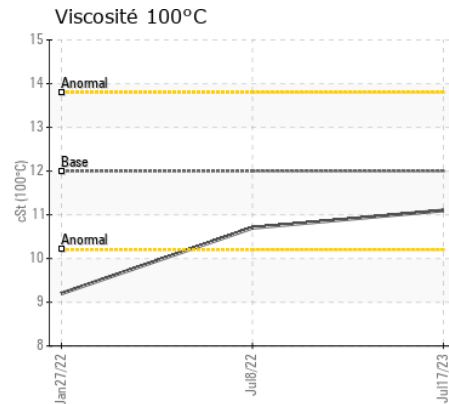
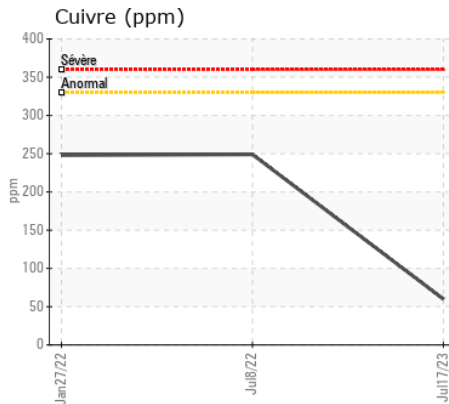
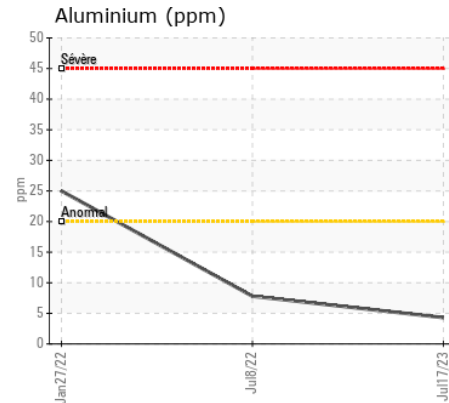
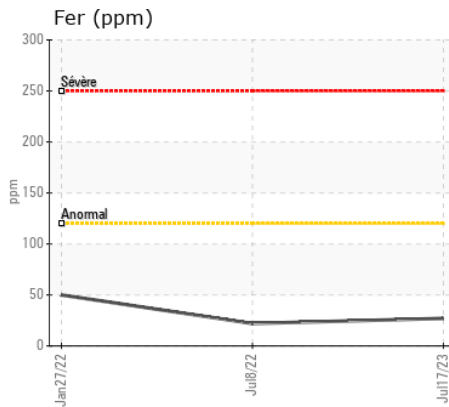
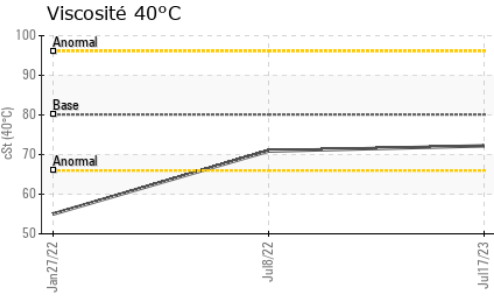
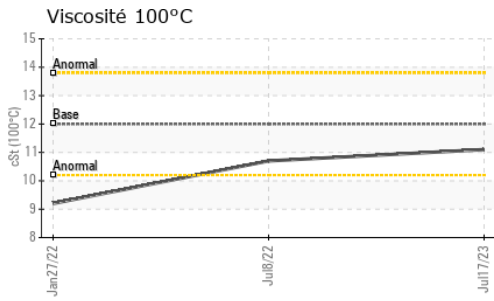
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>25	5	8	42
Potassium	ppm	ASTM D5185(m)	>20	8	24	73
Essence		WC Method	>3.0	<1.0	<1.0	0.7
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>4	0.3	0.2	0.2
Nitration	Abs/cm	ASTM D7624*	>20	9.7	9.5	12.7
Sulfatation	Abs/.1mm	ASTM D7415*	>30	21.2	21.6	24.9
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		2	2	6
Bore	ppm	ASTM D5185(m)	2	2	6	156
Baryum	ppm	ASTM D5185(m)	0	0	0	<1
Molybdène	ppm	ASTM D5185(m)	50	59	63	109
Manganèse	ppm	ASTM D5185(m)	0	<1	1	5
Magnésium	ppm	ASTM D5185(m)	950	937	889	716
Calcium	ppm	ASTM D5185(m)	1050	1064	1191	1414
Phosphore	ppm	ASTM D5185(m)	995	893	848	691
Zinc	ppm	ASTM D5185(m)	1180	1122	1116	786
Soufre	ppm	ASTM D5185(m)	2600	2351	2304	1959
Oxydation	Abs/.1mm	ASTM D7414*	>25	16.2	16.9	23.6
Visc 40°C	cSt	ASTM D7279(m)	80.1	72.2	70.9	▲ 55
Visc 100°C	cSt	ASTM D7279(m)	12.00	11.1	10.7	▲ 9.2
Indice de viscosité (VI)	Scale	ASTM D2270*	144	144	139	148



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : PC0076037
N° de laboratoire : 02572214
Numéro unique : 5617265
Analyse : MOB 1 (Additional Tests: KV40, VI)

Reçu : 26 Jul 2023
Diagnostiqué : 26 Jul 2023
Diagnostiqueur : Wes Davis

LOCATION BROSSARD INC
 2190 HYMUS
 DORVAL, QC
 CA H9P 1J7
 Contact: Shawn Lamoureux
 slamoureux@brossard.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.

T:
F: