



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur

MACK DEFENCE

Identité de la machine

438670

Composant

Moteur diesel

Fluid

CASTROL 15W40 (--- 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		WA0021267	WA0020032	---
Date d'échant.		Client Info		13 Jun 2024	31 May 2023	---
Âge d la Machine	hrs	Client Info		0	0	---
Âge de l'huile	hrs	Client Info		0	0	---
Âge du filtre	hrs	Client Info		0	0	---
Huile changée		Client Info		Changed	Changed	---
Filtre changé		Client Info		Changed	Changed	---
Statut de l'échant.				NORMAL	ABNORMAL	---

USURE

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

Fer	ppm	ASTM D5185(m)	>100	4	16	---
Chrome	ppm	ASTM D5185(m)	>20	0	<1	---
Nickel	ppm	ASTM D5185(m)	>4	<1	3	---
Titane	ppm	ASTM D5185(m)		<1	<1	---
Argent	ppm	ASTM D5185(m)	>3	0	0	---
Aluminium	ppm	ASTM D5185(m)	>20	1	6	---
Plomb	ppm	ASTM D5185(m)	>40	<1	2	---
Cuivre	ppm	ASTM D5185(m)	>330	2	46	---
Étain	ppm	ASTM D5185(m)	>15	<1	2	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Métal blanc	scalar	Visual*	NONE	NONE	---	---
Bronze	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

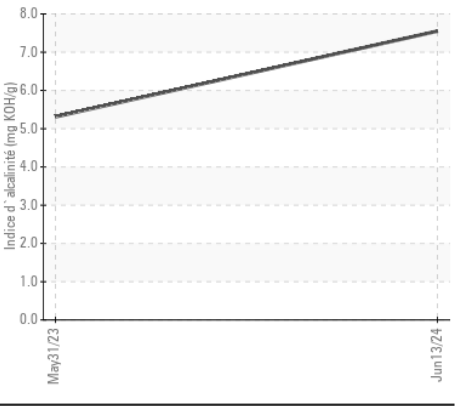
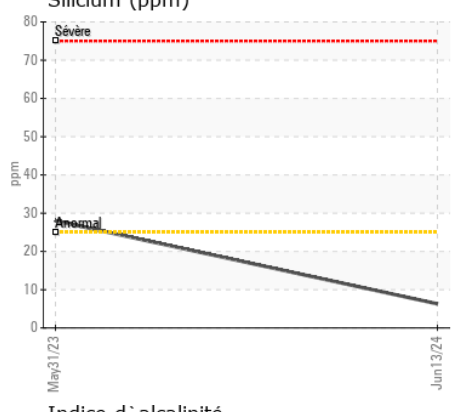
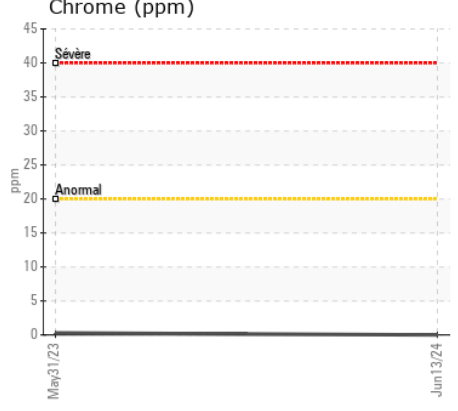
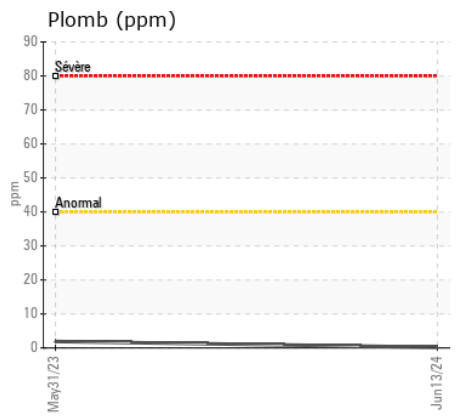
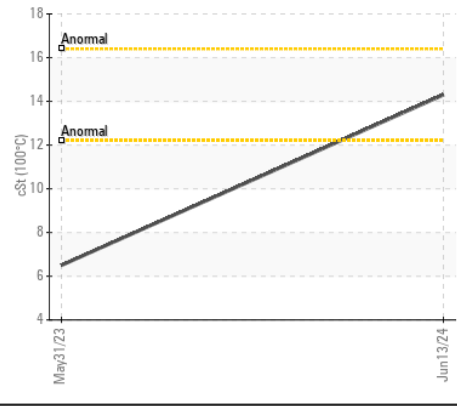
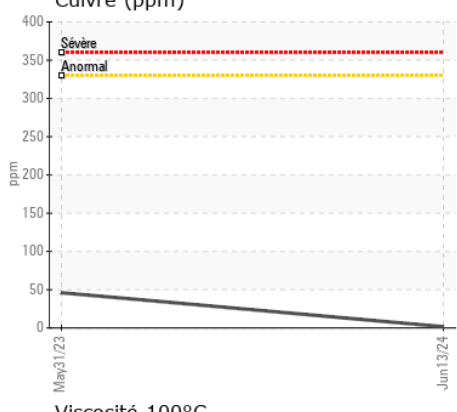
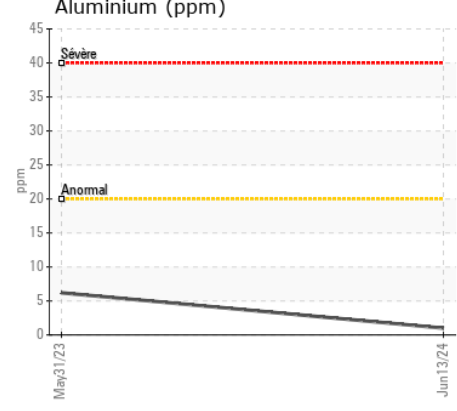
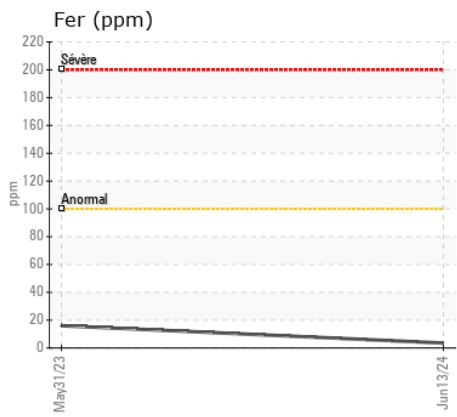
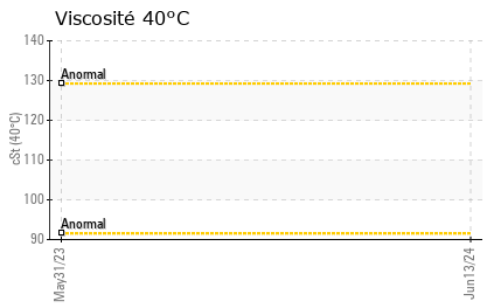
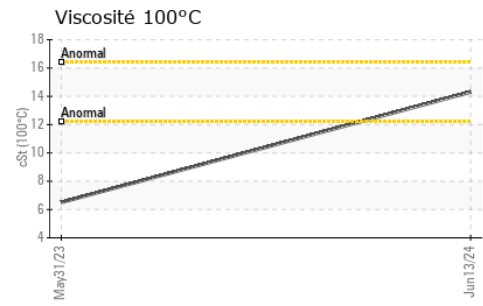
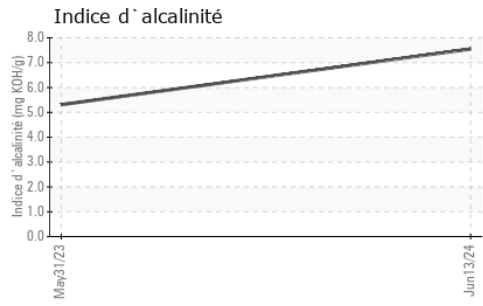
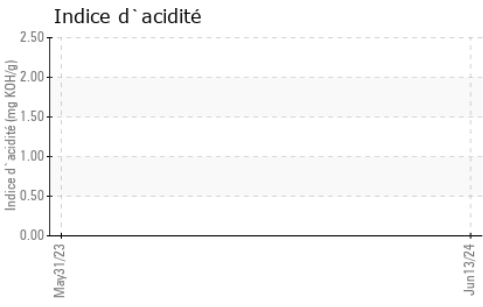
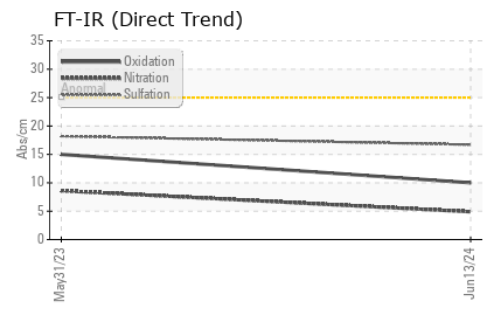
Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>25	6	▲ 28	---
Potassium	ppm	ASTM D5185(m)	>20	<1	22	---
Essence		WC Method	>5	<1.0	<1.0	---
L'eau		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
% de suie	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	4.9	8.6	---
Sulfatation	Abs./1mm	ASTM D7415*	>30	16.7	18.2	---
Limon	scalar	Visual*	NONE	NONE	---	---
Débris	scalar	Visual*	NONE	NONE	---	---
Saleté	scalar	Visual*	NONE	NONE	---	---
Apparence	scalar	Visual*	NORML	NORML	---	---
Odeur	scalar	Visual*	NORML	NORML	NORML	---
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	---

ÉTAT DU FLUIDE

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

Sodium	ppm	ASTM D5185(m)	>406	2	7	---
Bore	ppm	ASTM D5185(m)		10	84	---
Baryum	ppm	ASTM D5185(m)		0	0	---
Molybdène	ppm	ASTM D5185(m)		9	6	---
Manganèse	ppm	ASTM D5185(m)		<1	1	---
Magnésium	ppm	ASTM D5185(m)		119	517	---
Calcium	ppm	ASTM D5185(m)		2090	1011	---
Phosphore	ppm	ASTM D5185(m)		868	643	---
Zinc	ppm	ASTM D5185(m)		994	654	---
Soufre	ppm	ASTM D5185(m)		2957	2320	---
Oxydation	Abs./1mm	ASTM D7414*	>25	10.0	15.0	---
Indice d'acidité	mg KOH/g	ASTM D974*		2.32	---	---
Indice d'alcalinité	mg KOH/g	ASTM D2896*		7.55	5.31	---
Visc 40°C	cSt	ASTM D7279(m)		104	---	---
Visc 100°C	cSt	ASTM D7279(m)		14.3	▲ 6.5	---
Indice de viscosité (VI)	Scale	ASTM D2270*		140	---	---



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WA0021267 **Reçu** : 17 Jun 2024
N° de laboratoire : 02642304 **Tested** : 18 Jun 2024
Numéro unique : 5799843 **Diagnostiqué** : 18 Jun 2024 - Wes Davis
Analyse : MOB 2 (Additional Tests: KV40, TAN Auto, TAN Man, VI, Visual)

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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.