



RAPPORT D'ANALYSE D'HUILE

USURE
CONTAMINATION
ÉTAT DU FLUIDE

SÉVÈRE
NORMAL
NORMAL

Identité de la machine

KIOTI CS2520 XY8800802

Composant

Moteur diesel

Fluid

DIESEL ENGINE OIL SAE 30 (--- LTR)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 30. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		KT0000813	---	---
Date d'échant.		Client Info		13 Mar 2024	---	---
Âge d la Machine	hrs	Client Info		0	---	---
Âge de l'huile	hrs	Client Info		0	---	---
Âge du filtre	hrs	Client Info		0	---	---
Huile changée		Client Info		N/A	---	---
Filtre changé		Client Info		N/A	---	---
Statut de l'échant.				SEVERE	---	---

USURE

We have assumed that the oil was taken hot, according to the sampling instructions. Aluminum and iron ppm levels are severe. Tin and antimony ppm levels are abnormal. Cylinder, crank, or cam shaft wear is indicated. Piston wear is indicated. Slide bearing wear is indicated.

PQ		ASTM D8184*		86	---	---
Fer	ppm	ASTM D5185(m)	>100	▲ 201	---	---
Chrome	ppm	ASTM D5185(m)	>20	3	---	---
Nickel	ppm	ASTM D5185(m)	>4	0	---	---
Titane	ppm	ASTM D5185(m)		0	---	---
Argent	ppm	ASTM D5185(m)	>3	0	---	---
Aluminium	ppm	ASTM D5185(m)	>20	▲ 343	---	---
Plomb	ppm	ASTM D5185(m)	>40	<1	---	---
Cuivre	ppm	ASTM D5185(m)	>330	9	---	---
Étain	ppm	ASTM D5185(m)	>15	▲ 44	---	---
Vanadium	ppm	ASTM D5185(m)		<1	---	---
Métal blanc	scalar	Visual*	NONE	NONE	---	---
Bronze	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

Light fuel dilution occurring. No other contaminants were detected in the oil.

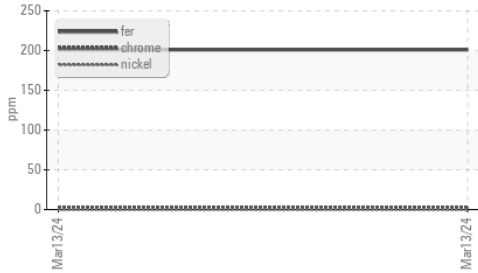
Silicium	ppm	ASTM D5185(m)	>25	18	---	---
Potassium	ppm	ASTM D5185(m)	>20	0	---	---
Essence	%	ASTM D7593*	>5	1.8	---	---
L'eau		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
% de suie	%	ASTM D7844*	>3	0.1	---	---
Nitration	Abs/cm	ASTM D7624*	>20	5.0	---	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	17.6	---	---
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	---	---
Eau émulsifiée	scalar	Visual*	>0.2	NEG	---	---

ÉTAT DU FLUIDE

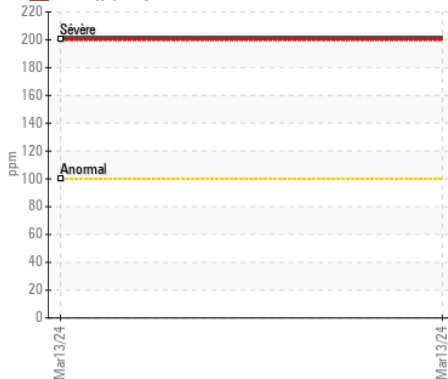
The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185(m)	>75	2	---	---
Bore	ppm	ASTM D5185(m)	250	1	---	---
Baryum	ppm	ASTM D5185(m)	10	<1	---	---
Molybdène	ppm	ASTM D5185(m)	100	54	---	---
Manganèse	ppm	ASTM D5185(m)		2	---	---
Magnésium	ppm	ASTM D5185(m)	450	940	---	---
Calcium	ppm	ASTM D5185(m)	3000	1027	---	---
Phosphore	ppm	ASTM D5185(m)	1150	951	---	---
Zinc	ppm	ASTM D5185(m)	1350	1101	---	---
Soufre	ppm	ASTM D5185(m)	4250	2411	---	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	13.0	---	---
Visc 100°C	cSt	ASTM D7279(m)	10.9	11.3	---	---

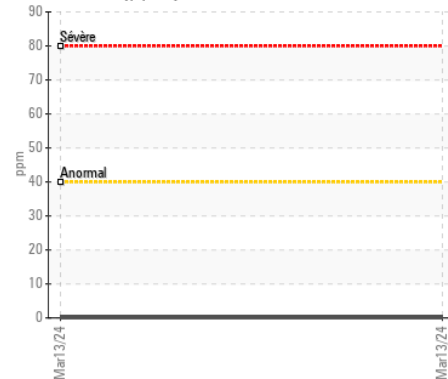
▲ **Alliages ferreux**



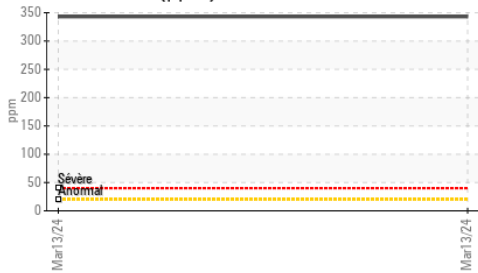
▲ **Fer (ppm)**



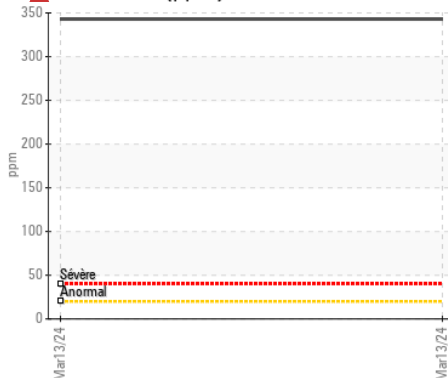
▲ **Plomb (ppm)**



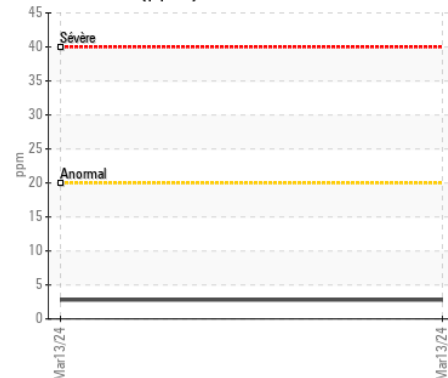
▲ **Aluminium (ppm)**



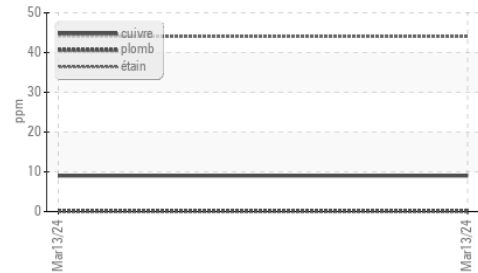
▲ **Aluminium (ppm)**



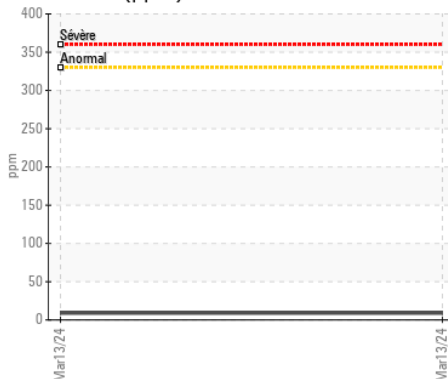
▲ **Chrome (ppm)**



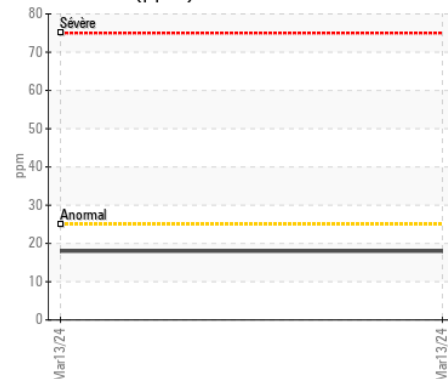
▲ **Métaux non-ferreux**



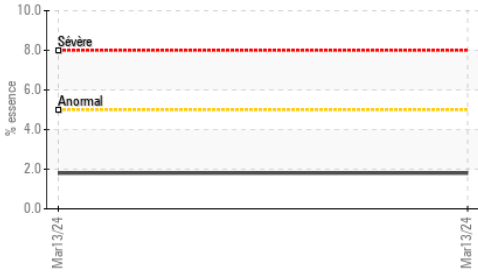
▲ **Cuivre (ppm)**



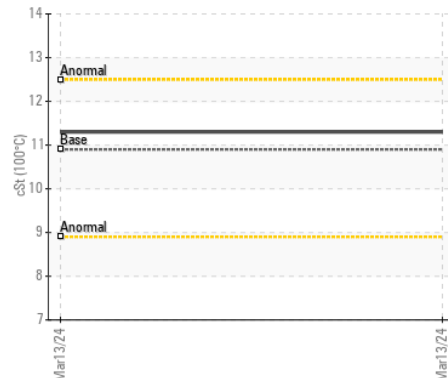
▲ **Silicium (ppm)**



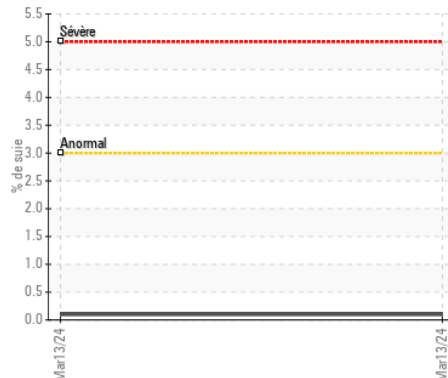
▲ **Dilution par le carburant**



▲ **Viscosité 100°C**



▲ **% de suie**



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : KT0000813
N° de laboratoire : 02623242
Reçu : 20 Mar 2024
Tested : 21 Mar 2024
Numéro unique : 5748361
Diagnostiqué : 21 Mar 2024 - Kevin Marson
Analyse : MOB 1 (Additional Tests: FuelDilution, PercentFuel, PQ, 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.