



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	SEVERE

Area
JOY GLOBAL [AFTER ENGINE SEIZED]

Machine Id
5272003434

Component
Diesel Engine

Fluid
{not provided} (--- GAL)

RECOMMENDATION

Nous vous recommandons de vérifier la possibilité d'une mauvaise combustion et d'une surchauffe possible. Nous vous recommandons de vérifier la mise au point et le réglage du moteur. Nous vous recommandons de vérifier la source de la fuite de fluide de refroidissement. Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons de rincer complètement le composant avant de le remplir l'huile. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

WEAR

Nous avons supposé que l'huile a été prélevée chaude, selon les directives d'échantillonnage. Les taux d'usure de tous les composants sont normaux.

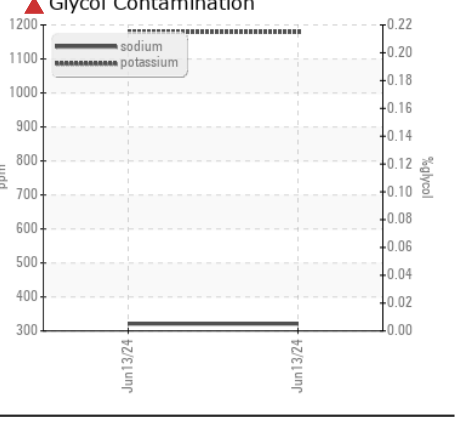
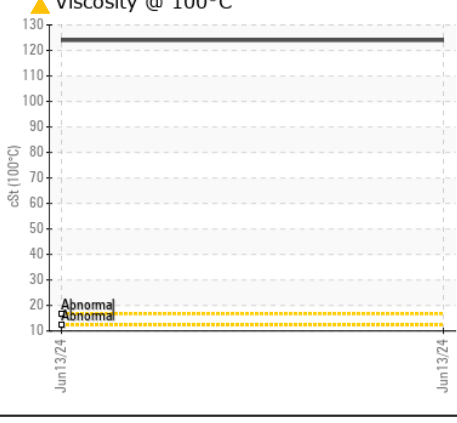
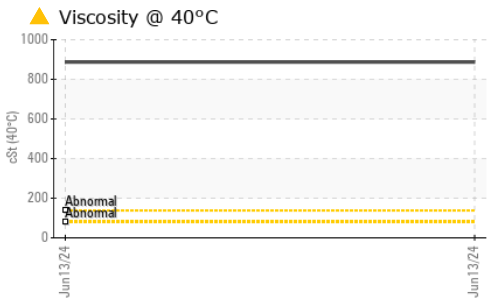
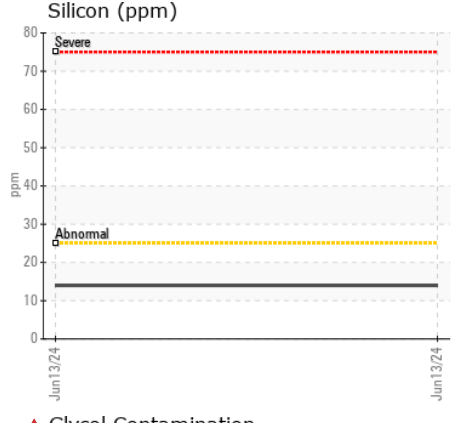
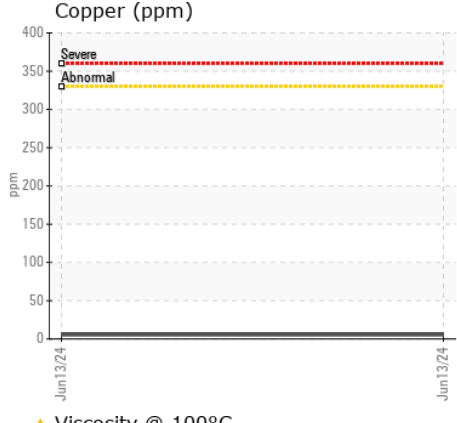
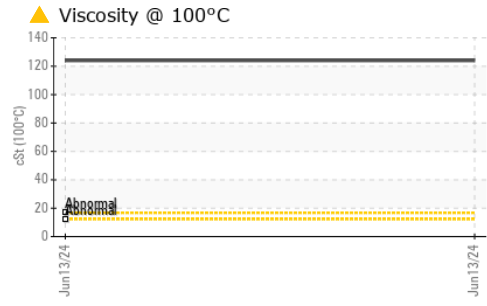
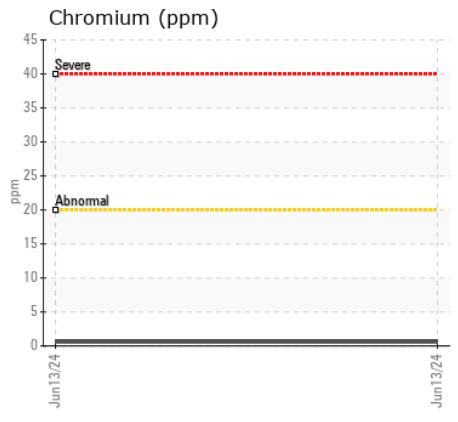
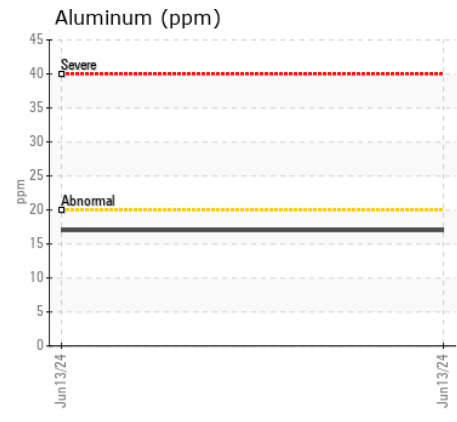
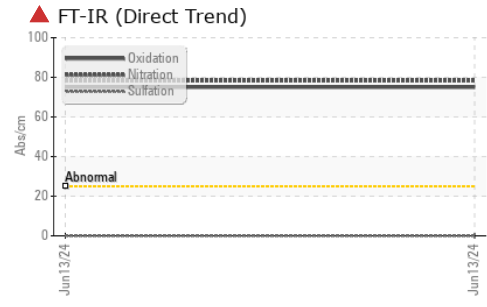
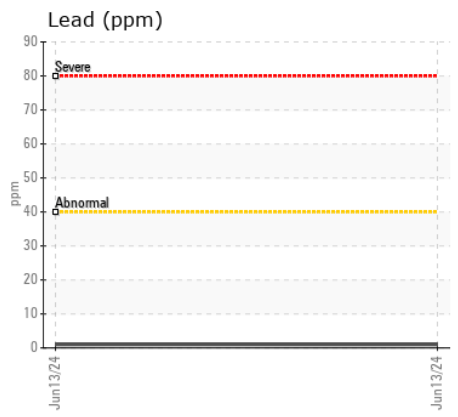
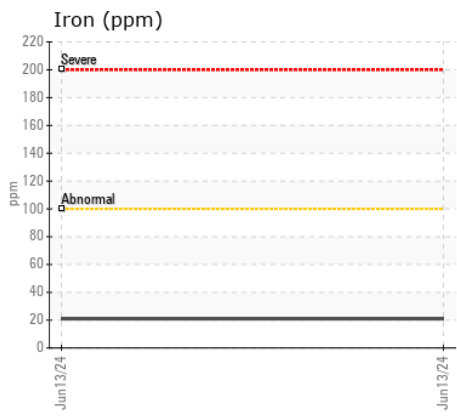
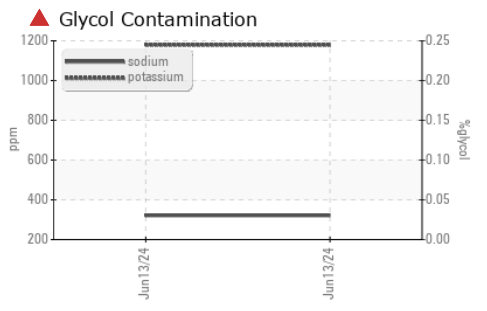
CONTAMINATION

Il y a indication d'un niveau anormal de nitratisation. Le test de glycol est positif. Concentration élevée de glycol dans l'huile.

FLUID CONDITION

Il y a une légère oxydation de l'huile. La viscosité de l'huile est supérieure à la normale. l'huile ne peut plus être utilisée.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0020756	---	---
Sample Date		Client Info		13 Jun 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185(m)	>100	21	---	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	<1	---	---
Aluminum	ppm	ASTM D5185(m)	>20	17	---	---
Lead	ppm	ASTM D5185(m)	>40	1	---	---
Copper	ppm	ASTM D5185(m)	>330	6	---	---
Tin	ppm	ASTM D5185(m)	>15	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)	>25	14	---	---
Potassium	ppm	ASTM D5185(m)	>20	▲ 1179	---	---
Fuel		WC Method	>5	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol	%	ASTM D7922*		▲ >.70	---	---
Soot %	%	ASTM D7844*	>3	0.9	---	---
Nitration	Abs/cm	ASTM D7624*	>20	▲ 78.3	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	0.0	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185(m)		● 321	---	---
Boron	ppm	ASTM D5185(m)		17	---	---
Barium	ppm	ASTM D5185(m)		<1	---	---
Molybdenum	ppm	ASTM D5185(m)		149	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)		12	---	---
Calcium	ppm	ASTM D5185(m)		795	---	---
Phosphorus	ppm	ASTM D5185(m)		392	---	---
Zinc	ppm	ASTM D5185(m)		596	---	---
Sulfur	ppm	ASTM D5185(m)		1490	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	▲ 75.0	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		▲ 887	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		▲ 124	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		246	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020756 **Received** : 17 Jun 2024
Lab Number : 02642306 **Tested** : 18 Jun 2024
Unique Number : 5799845 **Diagnosed** : 19 Jun 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: Glycol, KV40, VI, Visual)

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.