



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
46309371
 Component
Diesel Engine
 Fluid
VALVOLINE PREMIUM BLUE EXTREME 5W40 (--- LTR)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CU0023108	CU0020452	CU0018986
Sample Date		Client Info		11 May 2024	13 Apr 2023	19 Oct 2022
Machine Age	hrs	Client Info		19978	19728	19477
Oil Age	hrs	Client Info		265	251	209
Filter Age	hrs	Client Info		265	251	209
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>90	29	19	25
Chromium	ppm	ASTM D5185(m)	>20	2	<1	2
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	<1	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	1	<1
Lead	ppm	ASTM D5185(m)	>40	<1	0	0
Copper	ppm	ASTM D5185(m)	>330	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>15	0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

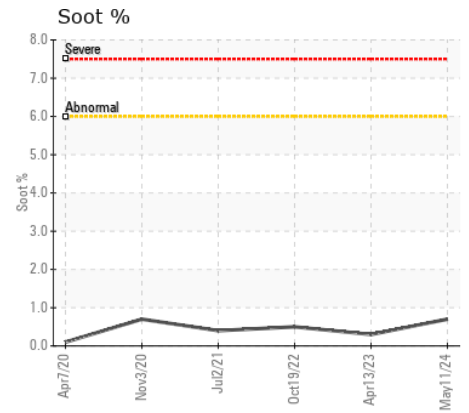
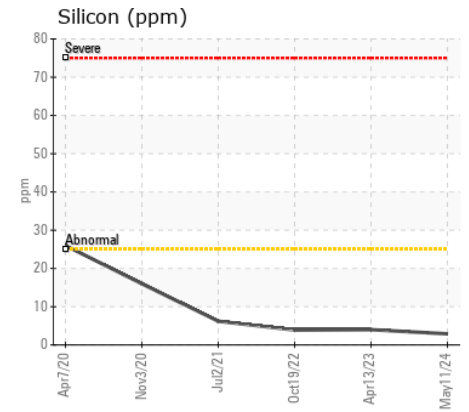
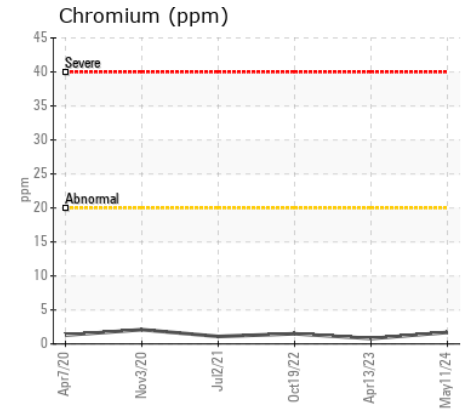
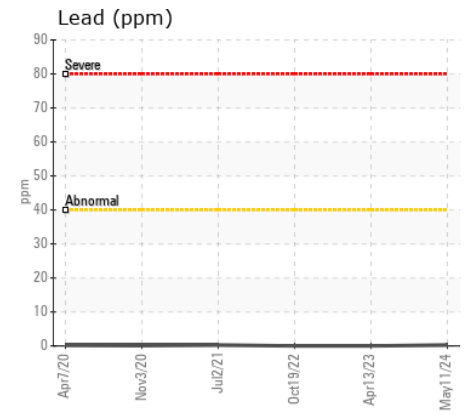
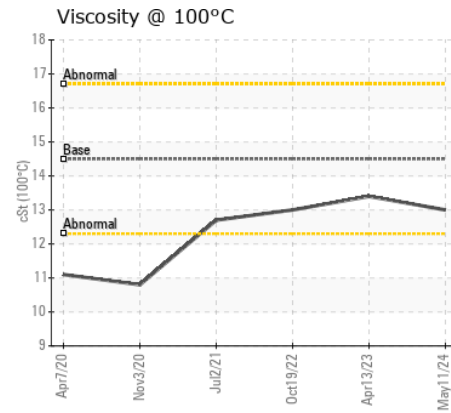
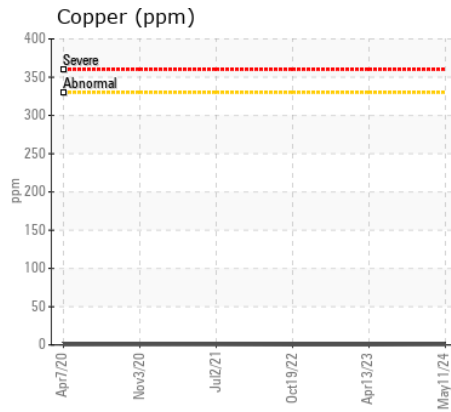
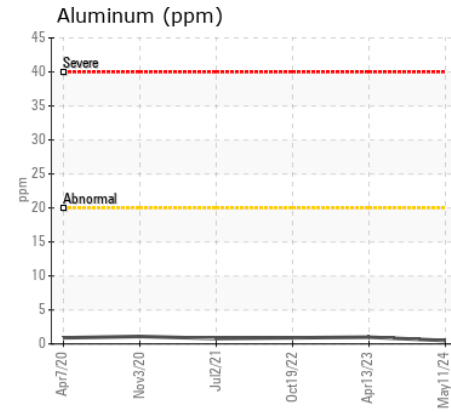
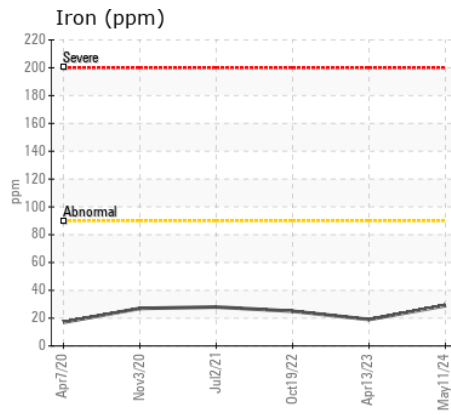
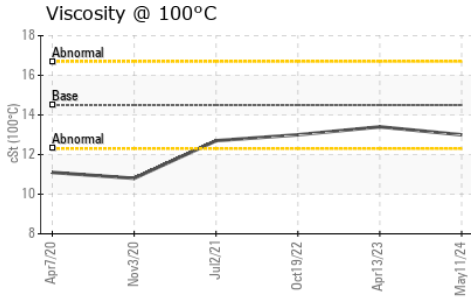
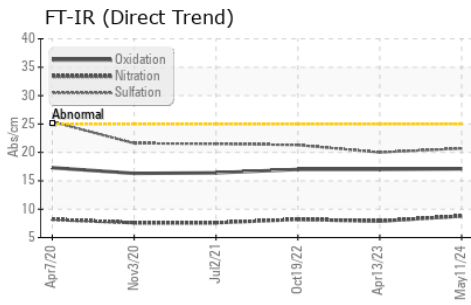
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	3	4	4
Potassium	ppm	ASTM D5185(m)	>20	1	▲ 10	<1
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	▲ 0.018	NEG
Soot %	%	ASTM D7844*	>6	0.7	0.3	0.5
Nitration	Abs/cm	ASTM D7624*	>20	8.8	7.9	8.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.7	20.0	21.3
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		5	13	5
Boron	ppm	ASTM D5185(m)		38	44	50
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		56	50	48
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)		1003	937	895
Calcium	ppm	ASTM D5185(m)		839	1043	1017
Phosphorus	ppm	ASTM D5185(m)		925	1068	1019
Zinc	ppm	ASTM D5185(m)		1109	1161	1117
Sulfur	ppm	ASTM D5185(m)		2497	2792	2694
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.1	17.0	17.0
Visc @ 100°C	cSt	ASTM D7279(m)	14.5	13.0	13.4	13.0



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0023108
Lab Number : 02636307
Unique Number : 5785469
Test Package : MOB 1 (Additional Tests: Visual)

Received : 17 May 2024
Tested : 17 May 2024
Diagnosed : 17 May 2024 - Wes Davis

CAMIONAGE JFP
 5641 RANG DU SUD
 ST-CHARLES DE BELLECHASSE, QC
 CA G0R 2T0

Contact: Service Manager
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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.

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