



TRAAP

Texas Refinery Advanced Analysis Program

# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**WESTERN STAR 4900 C-32 (S/N 5KKXAC005LPMT7127)**

Component  
**Diesel Engine**

Fluid  
**{not provided} (--- LTR)**

## RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR02641561	---	---
Sample Date		Client Info		30 May 2024	---	---
Machine Age	hrs	Client Info		9854	---	---
Oil Age	hrs	Client Info		500	---	---
Filter Age	hrs	Client Info		500	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

## WEAR

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

Iron	ppm	ASTM D5185(m)	>100	69	---	---
Chromium	ppm	ASTM D5185(m)	>20	2	---	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	2	---	---
Lead	ppm	ASTM D5185(m)	>40	5	---	---
Copper	ppm	ASTM D5185(m)	>330	13	---	---
Tin	ppm	ASTM D5185(m)	>15	1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

## CONTAMINATION

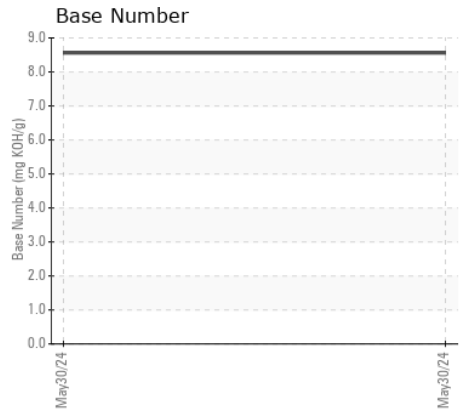
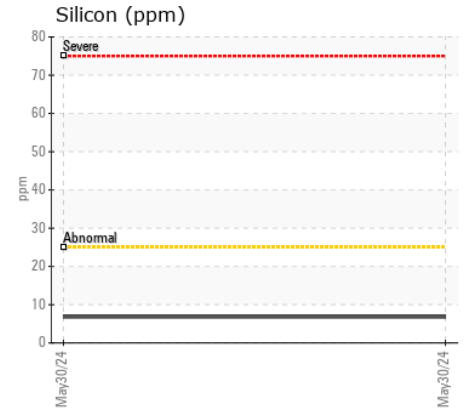
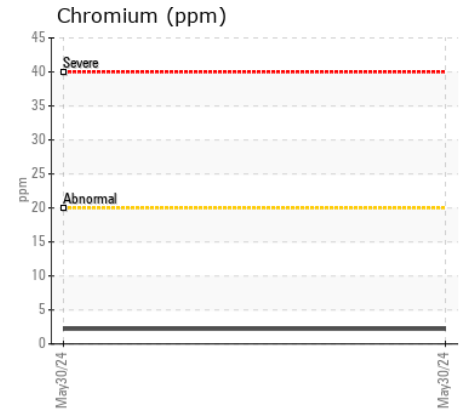
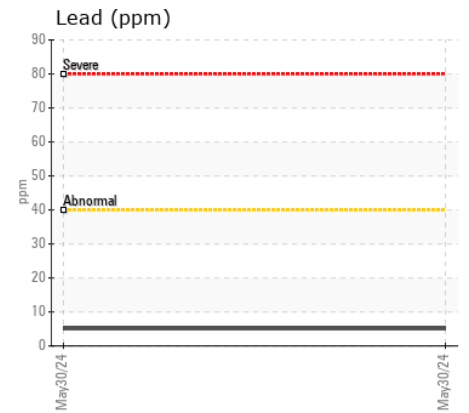
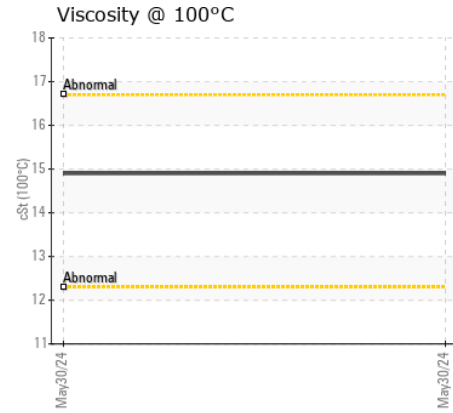
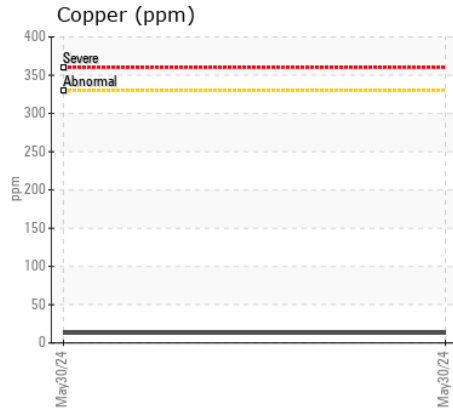
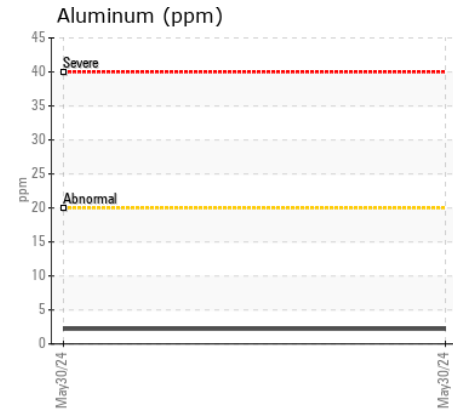
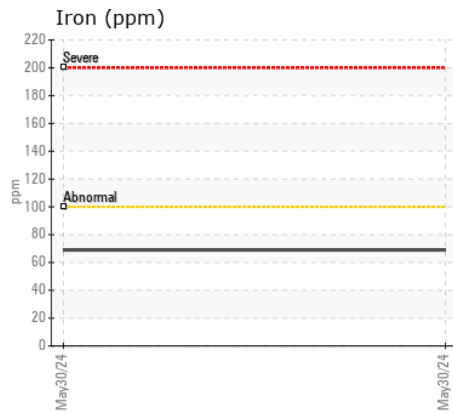
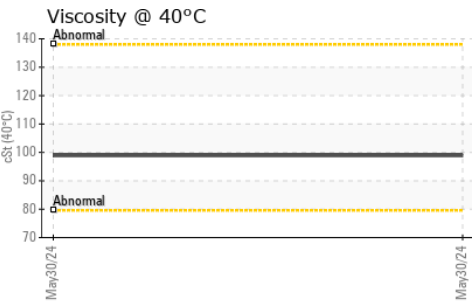
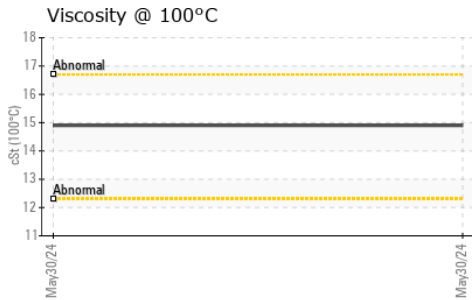
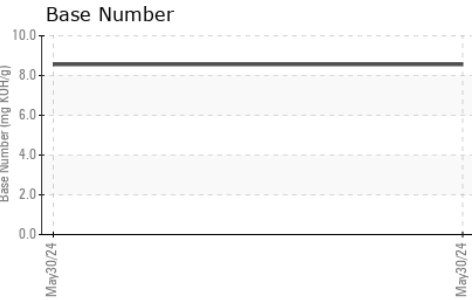
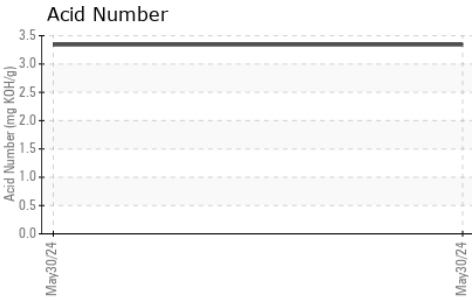
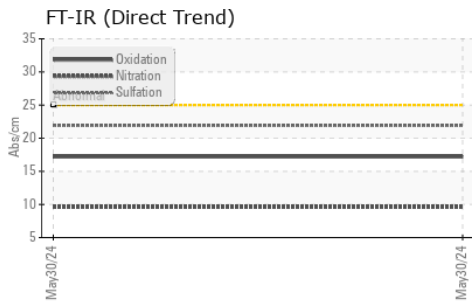
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	7	---	---
Potassium	ppm	ASTM D5185(m)	>20	2	---	---
Fuel		WC Method	>5	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	1.1	---	---
Nitration	Abs/cm	ASTM D7624*	>20	9.6	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.9	---	---
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	---	---

## FLUID CONDITION

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)		4	---	---
Boron	ppm	ASTM D5185(m)		18	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		59	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)		954	---	---
Calcium	ppm	ASTM D5185(m)		871	---	---
Phosphorus	ppm	ASTM D5185(m)		913	---	---
Zinc	ppm	ASTM D5185(m)		1096	---	---
Sulfur	ppm	ASTM D5185(m)		2440	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.2	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		3.34	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		8.56	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		98.9	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		14.9	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		157	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : TR02641561  
**Lab Number** : 02641561  
**Unique Number** : 5799100  
**Test Package** : MOB 2 ( Additional Tests: KV40, TAN Auto, TAN Man, VI, Visual )

**Les Entreprises Forestieres V. Labranche Inc.**  
 33 rue Kipawa  
 Temiscaming, QC  
 CA J0Z 3R0  
 Contact: Marc Lapierre  
 mlapierre@entreprises-labranche.com

To discuss this sample report, contact Customer Service at 1-800-827-0711.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: (873)997-8065

F: