



TRAAP

Texas Refinery Advanced Analysis Program

# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**KENWORTH W900L C-37**  
 Component  
**Diesel Engine**  
 Fluid  
**TRC MOLY XL PRO-SPEC IV HD SYN 5W40 (40 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		TR02631131	TR02622982	---
Sample Date		Client Info		12 Apr 2024	12 Mar 2024	---
Machine Age	hrs	Client Info		835	500	---
Oil Age	hrs	Client Info		800	500	---
Filter Age	hrs	Client Info		835	500	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	NORMAL	---

## WEAR

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Iron	ppm	ASTM D5185(m)	>90	73	50	---
Chromium	ppm	ASTM D5185(m)	>20	2	2	---
Nickel	ppm	ASTM D5185(m)	>2	1	<1	---
Titanium	ppm	ASTM D5185(m)	>2	0	0	---
Silver	ppm	ASTM D5185(m)	>2	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	34	24	---
Lead	ppm	ASTM D5185(m)	>40	2	2	---
Copper	ppm	ASTM D5185(m)	>330	13	10	---
Tin	ppm	ASTM D5185(m)	>15	3	2	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

## CONTAMINATION

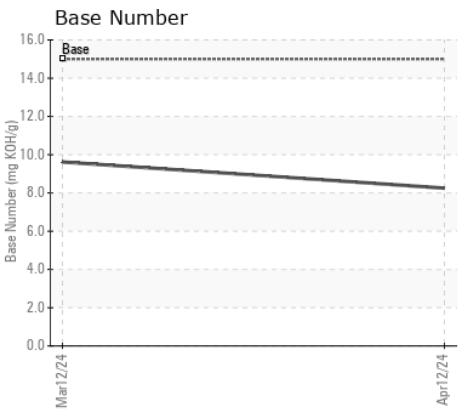
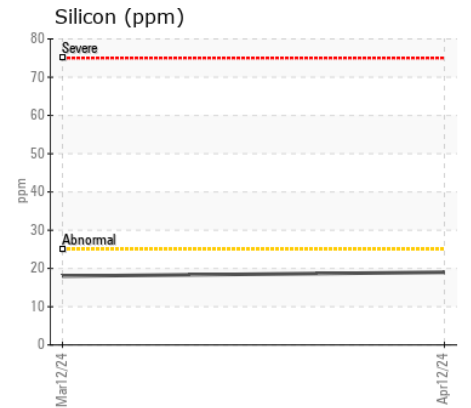
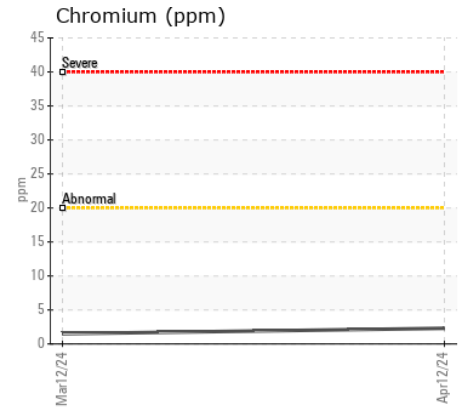
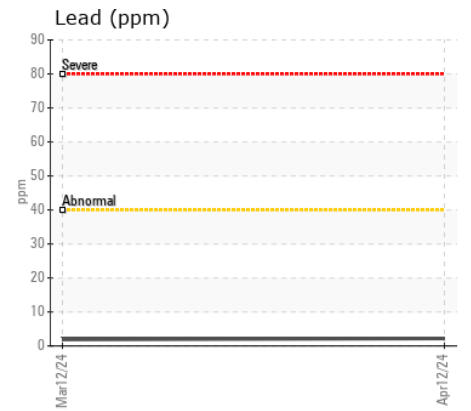
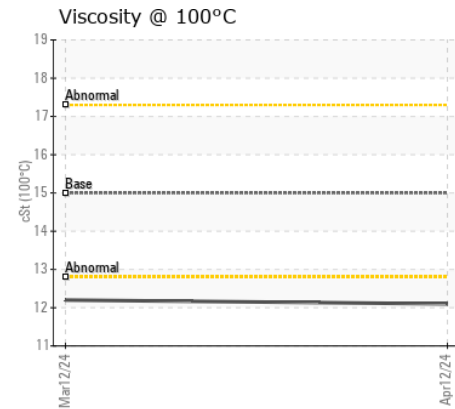
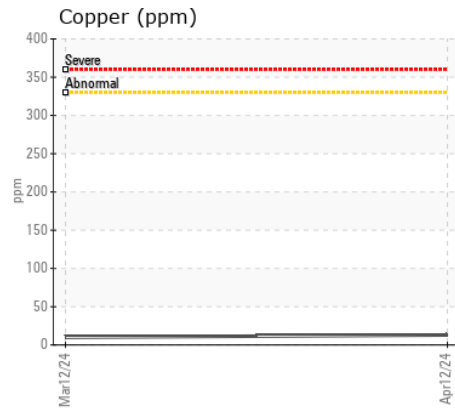
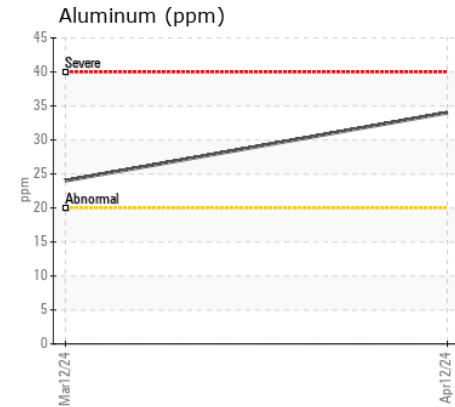
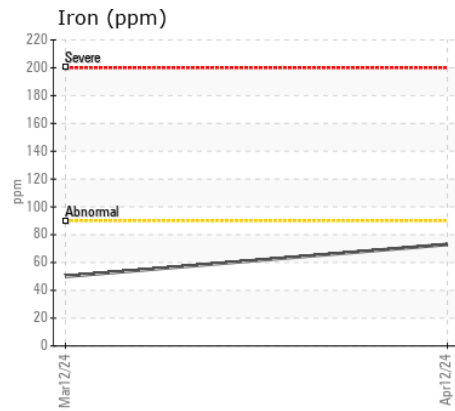
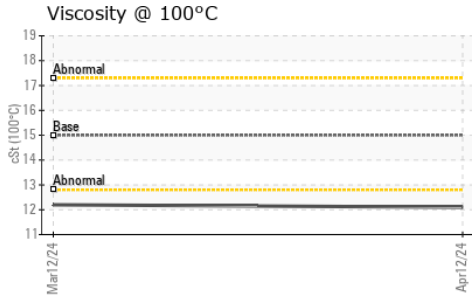
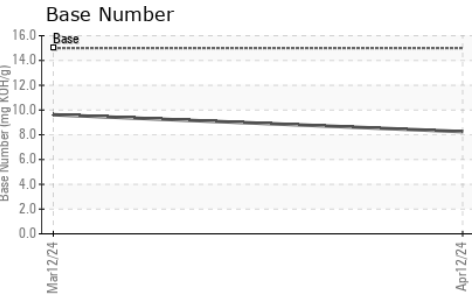
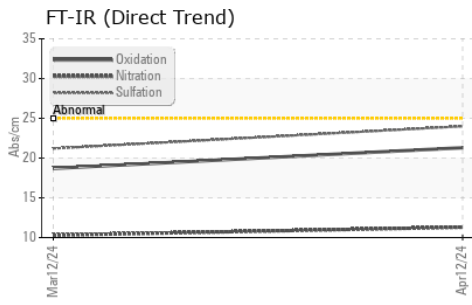
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	19	18	---
Potassium	ppm	ASTM D5185(m)	>20	79	53	---
Fuel		WC Method	>3.0	<1.0	0.9	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>6	0.5	0.3	---
Nitration	Abs/cm	ASTM D7624*	>20	11.3	10.3	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.0	21.2	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		6	5	---
Boron	ppm	ASTM D5185(m)		22	33	---
Barium	ppm	ASTM D5185(m)		1	1	---
Molybdenum	ppm	ASTM D5185(m)		51	51	---
Manganese	ppm	ASTM D5185(m)		2	2	---
Magnesium	ppm	ASTM D5185(m)		1106	1065	---
Calcium	ppm	ASTM D5185(m)	4500	1000	977	---
Phosphorus	ppm	ASTM D5185(m)		939	958	---
Zinc	ppm	ASTM D5185(m)	1200	1158	1127	---
Sulfur	ppm	ASTM D5185(m)		2456	2803	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	21.3	18.7	---
Base Number (BN)	mg KOH/g	ASTM D2896*	15	8.25	9.62	---
Visc @ 100°C	cSt	ASTM D7279(m)	15	12.1	12.2	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : TR02631131  
**Lab Number** : 02631131  
**Unique Number** : 5772284  
**Test Package** : MOB 2

**Received** : 24 Apr 2024  
**Tested** : 24 Apr 2024  
**Diagnosed** : 24 Apr 2024 - Wes Davis  
**Les Entreprises Forestieres V. Labranche Inc.**  
 33 rue Kipawa  
 Temiscaming, QC  
 CA J0Z 3R0  
 Contact: Marc Lapierre  
 mlapierre@entreprises-labranche.com  
 T: (873)997-8065  
 F:

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)