



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
WESTERN STAR 5KKXAF007HPJP8640

Component
Diesel Engine

Fluid
TRC PRO-SPEC III SYNTHETIC BLEND 15W40 (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		TR02634000	TR02578296	---
Sample Date		Client Info		29 Apr 2024	18 Aug 2023	---
Machine Age	hrs	Client Info		3969	0	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

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

Iron	ppm	ASTM D5185(m)	>100	20	45	---
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>4	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	2	2	---
Lead	ppm	ASTM D5185(m)	>40	<1	8	---
Copper	ppm	ASTM D5185(m)	>330	7	184	---
Tin	ppm	ASTM D5185(m)	>15	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

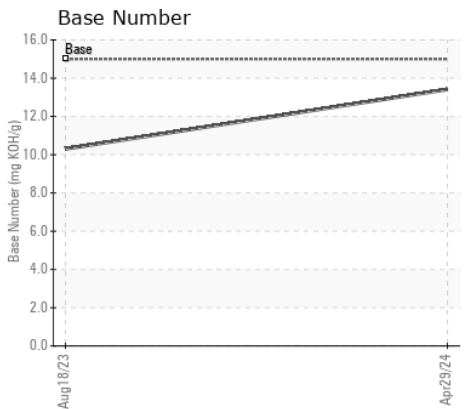
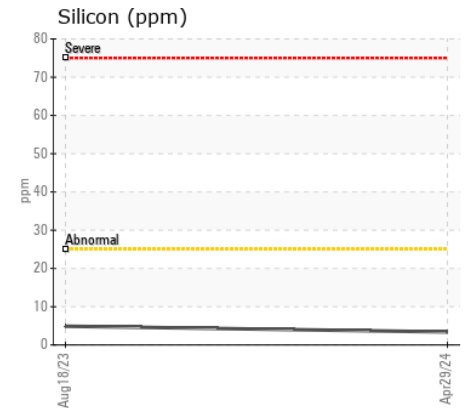
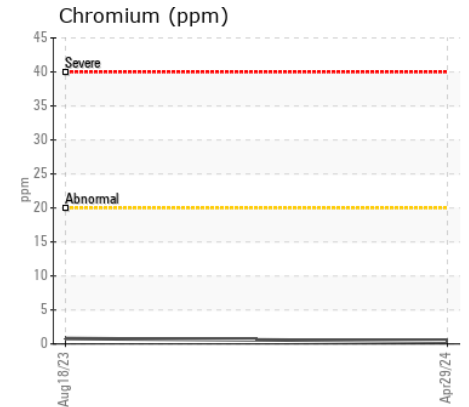
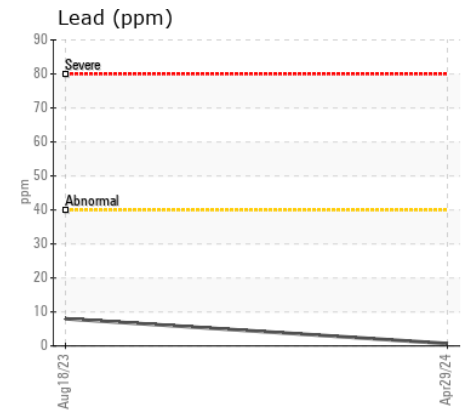
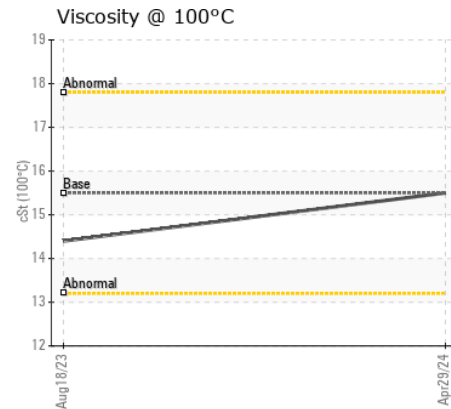
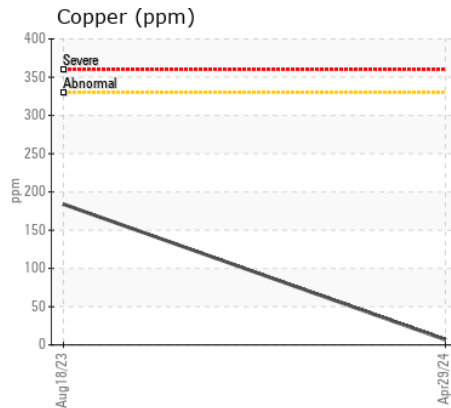
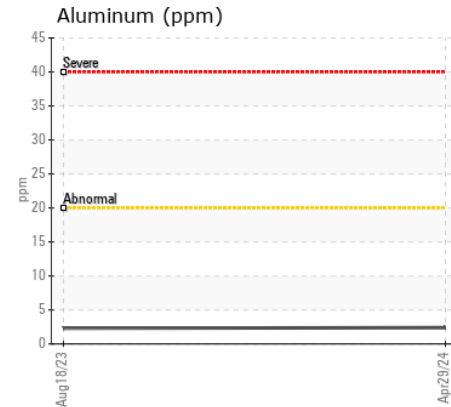
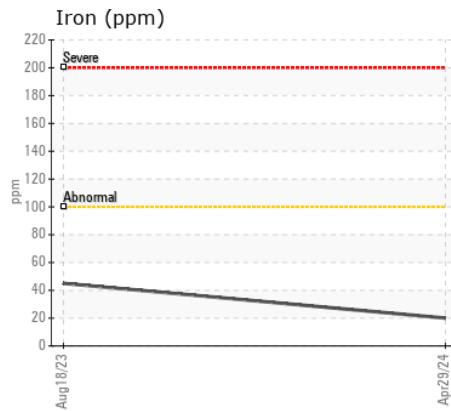
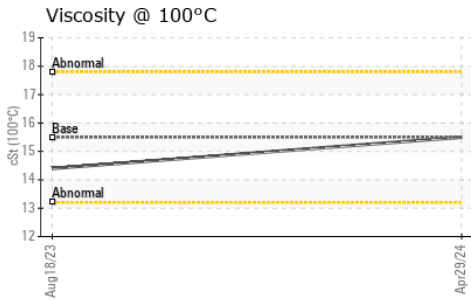
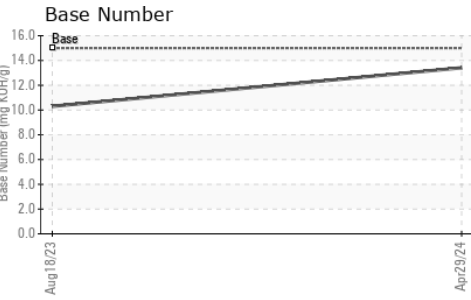
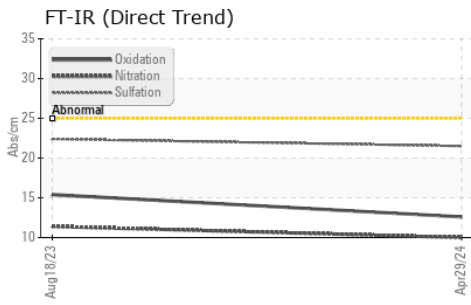
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	3	5	---
Potassium	ppm	ASTM D5185(m)	>20	1	1	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	0.0	---
Soot %	%	ASTM D7844*	>3	0	0.3	---
Nitration	Abs/cm	ASTM D7624*	>20	10.0	11.4	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.5	22.4	---
Emulsified Water	scalar	Visual*	>0.2	NEG	▲ .2%	---

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)		3	4	---
Boron	ppm	ASTM D5185(m)		1	3	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		0	27	---
Manganese	ppm	ASTM D5185(m)		<1	<1	---
Magnesium	ppm	ASTM D5185(m)		18	353	---
Calcium	ppm	ASTM D5185(m)	4500	4601	3262	---
Phosphorus	ppm	ASTM D5185(m)		903	992	---
Zinc	ppm	ASTM D5185(m)	1400	1048	1133	---
Sulfur	ppm	ASTM D5185(m)		3377	2714	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	12.6	15.4	---
Base Number (BN)	mg KOH/g	ASTM D2896*	15	13.41	10.30	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.5	15.5	14.4	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : TR02634000
Lab Number : 02634000
Unique Number : 5775153
Test Package : MOB 2
Received : 08 May 2024
Tested : 08 May 2024
Diagnosed : 08 May 2024 - Kevin Marson

FORESTIER GAMAX
 412 RANG DES PRES-VERTS
 QUEBEC, QC
 CA G0L 1J0
 Contact: MAXIM MORIN

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: (418)714-2919

F: