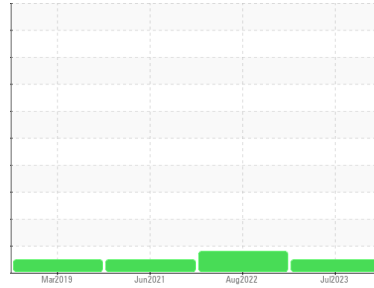




Machine Id
6003
Component
Transmission (Auto)
Fluid
ZF ECOFLUID LIFE (--- LTR)



DIAGNOSIS

Recommendation

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Confirm the source of the lubricant being utilized for top-up/fill. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Aucune autre mesure corrective n'est recommandée pour l'instant.

Wear

Nous avons noté une hausse du niveau de fer. Les taux d'usure de tous les autres composants sont normaux.

Contamination

Il n'y a aucun indice de contamination dans le fluide.

Fluid Condition

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. Le AN est acceptable pour ce fluide. L'état de le fluide permet d'en prolonger l'utilisation.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PC0073974	PC0063504	PC0050151
Sample Date	Client Info		09 Jul 2023	05 Aug 2022	15 Jun 2021
Machine Age	kms	Client Info	0	0	0
Oil Age	kms	Client Info	106056	10082	99203
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			NORMAL	ABNORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*	>50	5	---	9
Iron	ppm	ASTM D5185(m)	>160	199	58
Chromium	ppm	ASTM D5185(m)	>5	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0
Silver	ppm	ASTM D5185(m)	>5	0	<1
Aluminum	ppm	ASTM D5185(m)	>50	27	2
Lead	ppm	ASTM D5185(m)	>50	1	<1
Copper	ppm	ASTM D5185(m)	>225	48	15
Tin	ppm	ASTM D5185(m)	>10	2	0
Antimony	ppm	ASTM D5185(m)		0	0
Vanadium	ppm	ASTM D5185(m)		0	0
Beryllium	ppm	ASTM D5185(m)		0	0
Cadmium	ppm	ASTM D5185(m)		0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		71	186
Barium	ppm	ASTM D5185(m)		<1	0
Molybdenum	ppm	ASTM D5185(m)		<1	0
Manganese	ppm	ASTM D5185(m)		1	<1
Magnesium	ppm	ASTM D5185(m)		5	1
Calcium	ppm	ASTM D5185(m)		79	135
Phosphorus	ppm	ASTM D5185(m)		202	484
Zinc	ppm	ASTM D5185(m)		10	6
Sulfur	ppm	ASTM D5185(m)		1140	2505
Lithium	ppm	ASTM D5185(m)		<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	14	6
Sodium	ppm	ASTM D5185(m)		3	9
Potassium	ppm	ASTM D5185(m)	>20	<1	<1

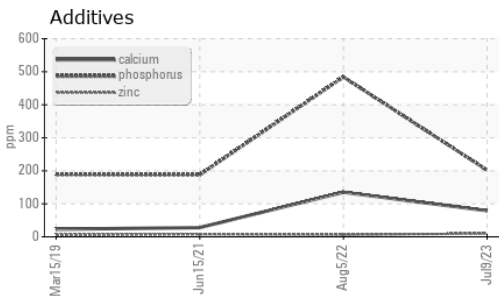
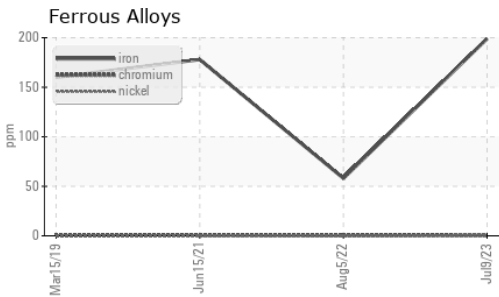
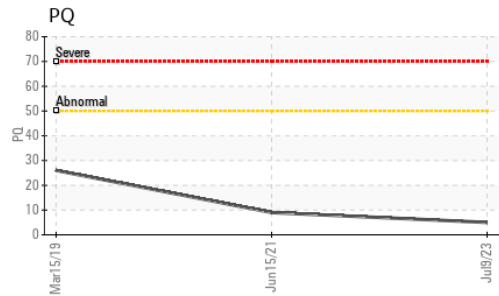
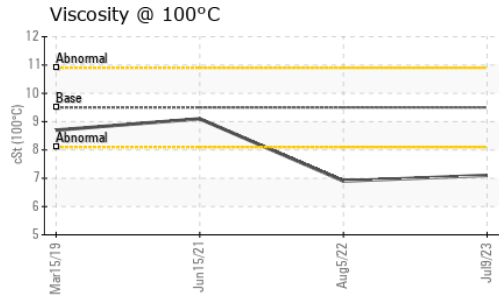
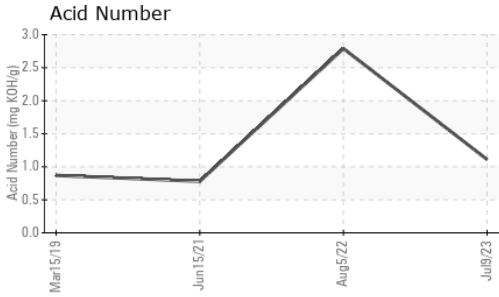
INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	---
Nitration	Abs/cm	ASTM D7624*		5.2	---
Sulfation	Abs/.1mm	ASTM D7415*		27.8	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*		33.7	---
Acid Number (AN)	mg KOH/g	ASTM D974*		1.11	2.79
Base Number (BN)	mg KOH/g	ASTM D2896*		1.30	---

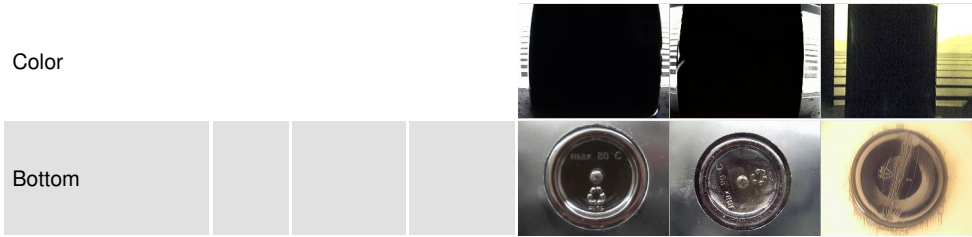
OIL ANALYSIS REPORT



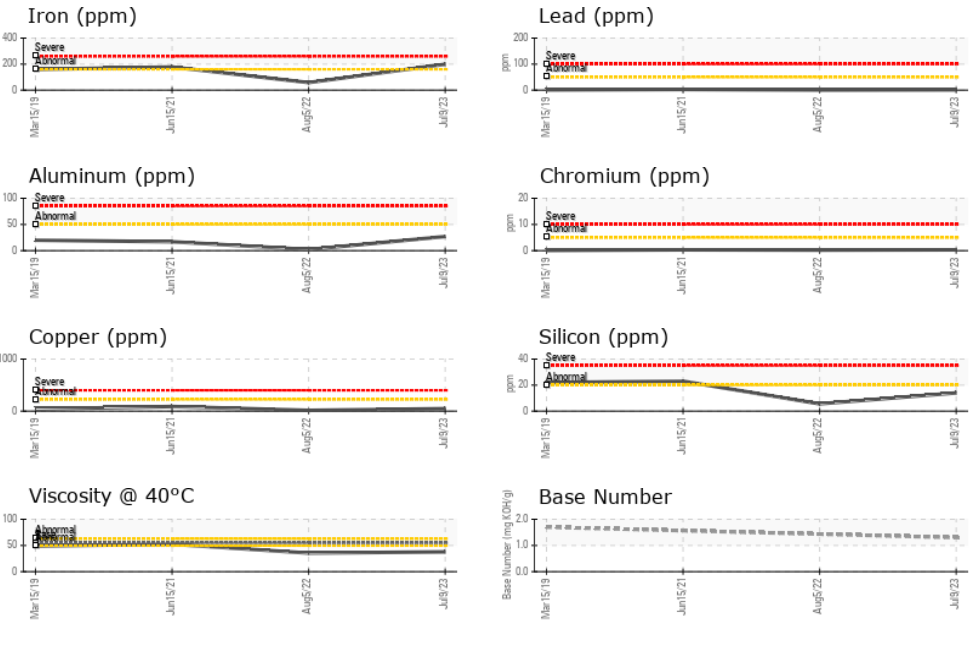
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	55.0	37.8	35.5
Visc @ 100°C	cSt	ASTM D7279(m)	9.5	7.1	6.9
Viscosity Index (VI)	Scale	ASTM D2270*		152	158

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0073974
Lab Number : 02570540
Unique Number : 5607586
Test Package : MOB 2 (Additional Tests: FT-IR, KV100, PQ, TAN Man, TBN, VI)

TRANSDEV ST-JEAN
 720 TROTTER
 ST-JEAN-SUR-RICHELIEU, QC
 CA J3B 8T2
 Contact: Eric Breton
 eric.breton@transdev.com

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.