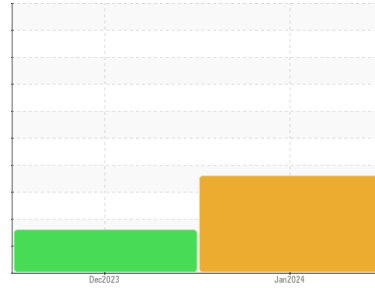


Machine Id
704217
Component
Diesel Engine
Fluid
SAE 5W30 (--- GAL)



DIAGNOSIS

Recommendation

Nous vous recommandons de vérifier la possibilité d'une mauvaise combustion et d'une surchauffe possible. Nous vous recommandons de vérifier la source de l'infiltration d'eau. Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Aucune autre mesure corrective n'est recommandée pour l'instant.

Wear

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

Contamination

Légère dilution de carburant dans l'huile. Concentration élevée d'eau dans l'huile. Le test de glycol est négatif. Aucun autre contaminant n'a été détecté dans l'huile.

Fluid Condition

Il y a une légère oxydation de l'huile. Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. l'huile ne peut plus être utilisée.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC0079460	PC0079606	---
Sample Date	Client Info	04 Jan 2024	22 Dec 2023	---
Machine Age	kms	105936	105936	---
Oil Age	kms	105936	105936	---
Oil Changed	Client Info	Changed	Changed	---
Sample Status		ABNORMAL	ABNORMAL	---

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >100	74	12	---
Chromium	ppm	ASTM D5185(m) >20	2	0	---
Nickel	ppm	ASTM D5185(m) >4	<1	<1	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m) >3	0	0	---
Aluminum	ppm	ASTM D5185(m) >20	6	2	---
Lead	ppm	ASTM D5185(m) >40	2	<1	---
Copper	ppm	ASTM D5185(m) >330	56	<1	---
Tin	ppm	ASTM D5185(m) >15	0	<1	---
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)	22	79	---
Barium	ppm	ASTM D5185(m)	0	0	---
Molybdenum	ppm	ASTM D5185(m)	69	66	---
Manganese	ppm	ASTM D5185(m)	2	0	---
Magnesium	ppm	ASTM D5185(m)	522	489	---
Calcium	ppm	ASTM D5185(m)	1252	1186	---
Phosphorus	ppm	ASTM D5185(m)	617	675	---
Zinc	ppm	ASTM D5185(m)	709	717	---
Sulfur	ppm	ASTM D5185(m)	2354	2483	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

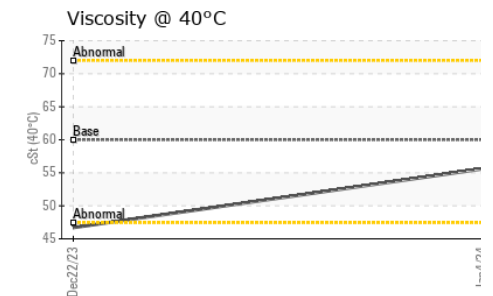
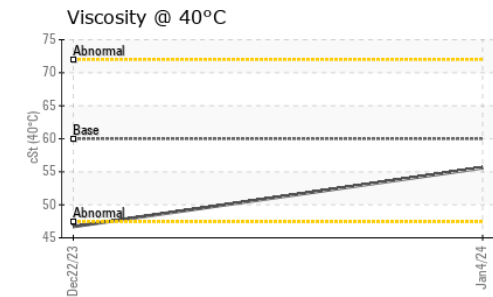
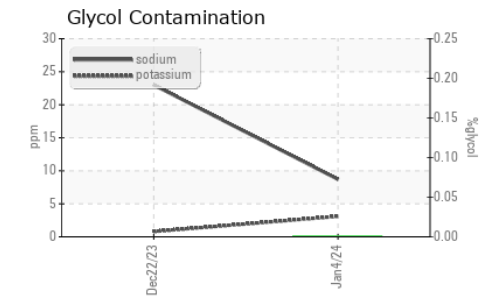
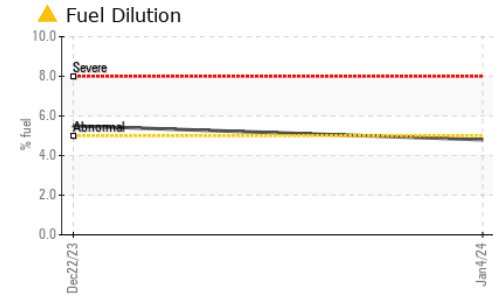
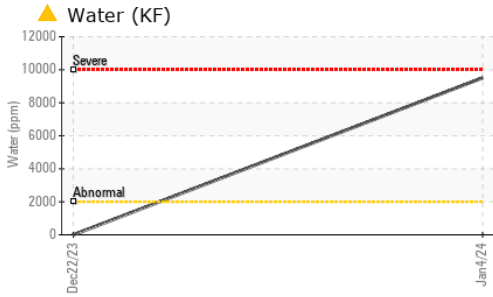
CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >25	29	20	---
Sodium	ppm	ASTM D5185(m)	9	23	---
Potassium	ppm	ASTM D5185(m) >20	3	<1	---
Fuel	%	ASTM D7593* >5	▲ 4.8	▲ 5.5	---
Water	%	ASTM D6304* >0.2	▲ 0.950	---	---
ppm Water	ppm	ASTM D6304* >2000	▲ 9509	---	---
Glycol	%	ASTM D7922*	0.0	NEG	---

INFRA-RED

method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844* >3	0	0	---
Nitration	Abs/cm	ASTM D7624* >20	19.1	11.7	---
Sulfation	Abs/.1mm	ASTM D7415* >30	28.9	21.7	---

OIL ANALYSIS REPORT

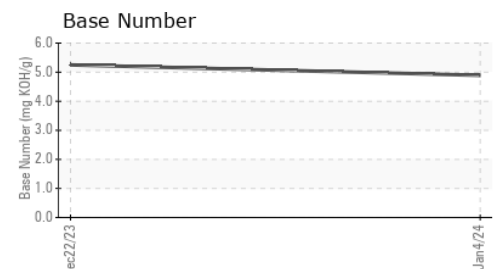
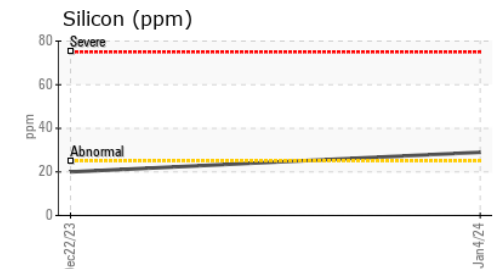
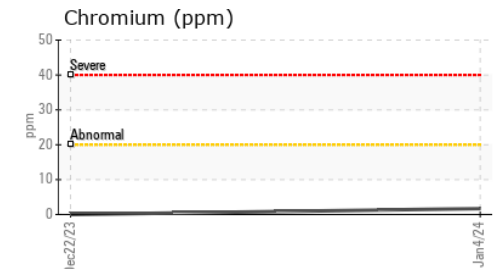
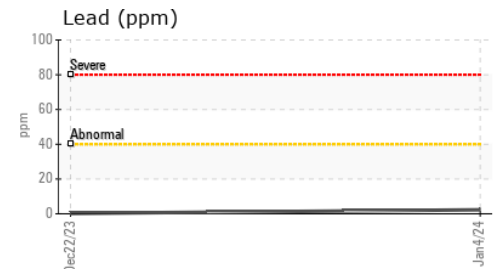
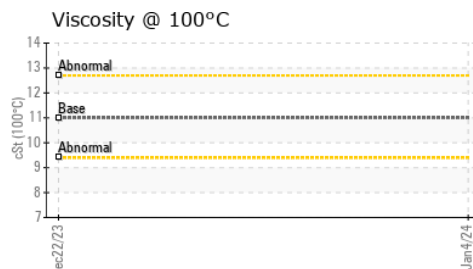
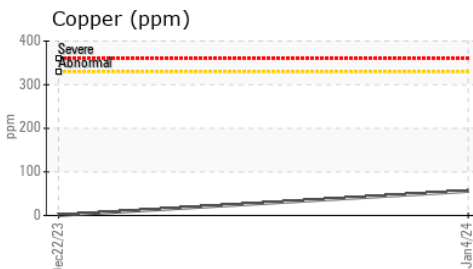
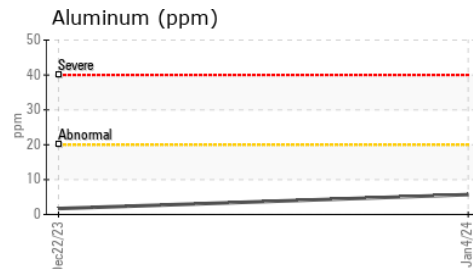
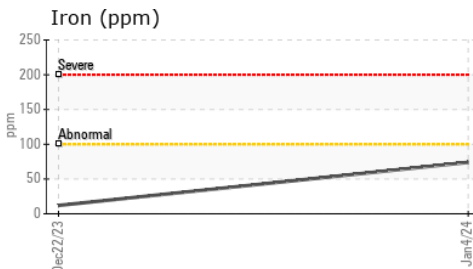


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	▲ 29.8	14.2	---
Base Number (BN)	mg KOH/g	ASTM D2896*		4.89	5.25	---

VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	▲ .2%	NEG	---
Free Water	scalar	Visual*		NEG	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	60.0	55.6	▲ 46.7	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.0	---	▲ 8.8	---
Viscosity Index (VI)	Scale	ASTM D2270*	177	---	170	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0079460 **Received** : 30 Jan 2024
Lab Number : 02612102 **Tested** : 02 Feb 2024
Unique Number : 5721197 **Diagnosed** : 02 Feb 2024 - Bill Quesnel
Test Package : MOB 2 (Additional Tests: Glycol, KF, KV40, PercentFuel, 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.