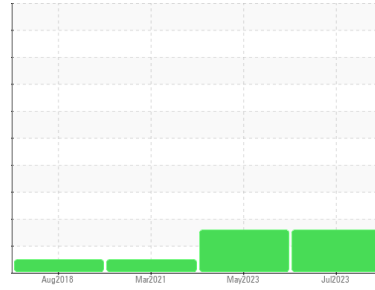


Machine Id
6027
Component
Rear Transmission (Auto)
Fluid
ZF ECOFLUID LIFE (28 LTR)



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. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Le fluide était spécifié comme ZF ECOFLUID LIFE, toutefois, une comparaison avec d'autres fluides indique que ce fluide est du Mineral ATF. Veuillez confirmer la viscosité de l'huile et veuillez préciser la marque de votre prochain échantillon.

Wear

Le taux de fer est anormal. Usure des engrenages. Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion.

Contamination

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

Fluid Condition

La viscosité de l'échantillon se situe dans la portée de l'SAE 5W20; nous vous conseillons de vérifier. Ceci, en plus des niveaux d'additifs, indique que la marque ou le type d'huile ne correspond pas à ce qui a été signalé. Le AN est acceptable pour ce fluide. le fluide n'est plus en état de service en raison d'une usure anormale et/ou sévère.

SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	PC0074557	PC0073872	PC0041301	
Sample Date	Client Info	28 Jul 2023	09 May 2023	15 Mar 2021	
Machine Age	kms	Client Info	0	0	
Oil Age	kms	Client Info	13644	124922	149639
Oil Changed	Client Info	Changed	Changed	Changed	
Sample Status		ABNORMAL	ABNORMAL	NORMAL	

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184* >50	7	1	0
Iron	ppm ASTM D5185(m) >160	▲ 195	▲ 207	77
Chromium	ppm ASTM D5185(m) >5	<1	<1	<1
Nickel	ppm ASTM D5185(m) >5	0	0	<1
Titanium	ppm ASTM D5185(m)	0	0	0
Silver	ppm ASTM D5185(m) >5	0	0	<1
Aluminum	ppm ASTM D5185(m) >50	2	4	7
Lead	ppm ASTM D5185(m) >50	0	0	1
Copper	ppm ASTM D5185(m) >225	2	5	27
Tin	ppm ASTM D5185(m) >10	0	0	0
Antimony	ppm ASTM D5185(m)	0	0	0
Vanadium	ppm ASTM D5185(m)	0	0	0
Beryllium	ppm ASTM D5185(m)	0	0	0
Cadmium	ppm ASTM D5185(m)	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	79	88	86
Barium	ppm ASTM D5185(m)	0	0	0
Molybdenum	ppm ASTM D5185(m)	<1	0	0
Manganese	ppm ASTM D5185(m)	6	5	1
Magnesium	ppm ASTM D5185(m)	2	<1	2
Calcium	ppm ASTM D5185(m)	120	123	32
Phosphorus	ppm ASTM D5185(m)	218	264	196
Zinc	ppm ASTM D5185(m)	6	3	7
Sulfur	ppm ASTM D5185(m)	1451	1595	785
Lithium	ppm ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

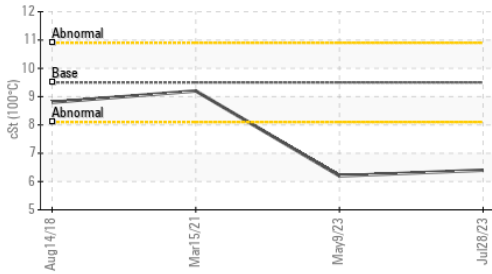
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >20	7	9	20
Sodium	ppm ASTM D5185(m)	2	4	4
Potassium	ppm ASTM D5185(m) >20	<1	<1	<1

FLUID DEGRADATION

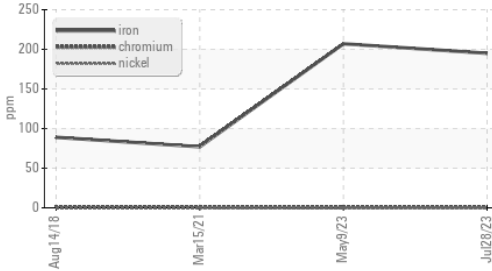
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974*	0.84	1.02	0.88

OIL ANALYSIS REPORT

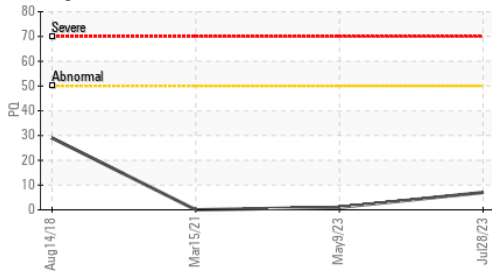
▲ Viscosity @ 100°C



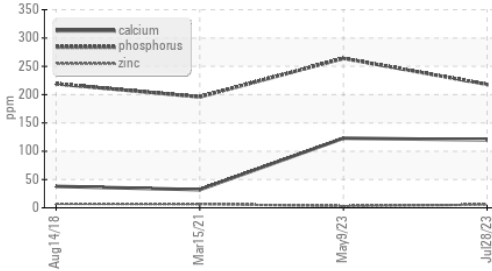
▲ Ferrous Alloys



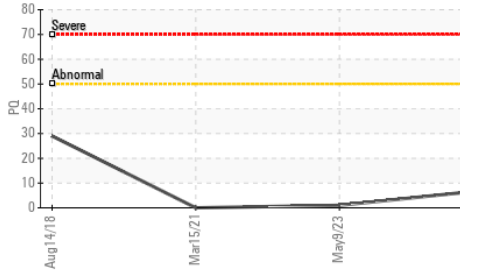
▲ PQ



▲ Additives



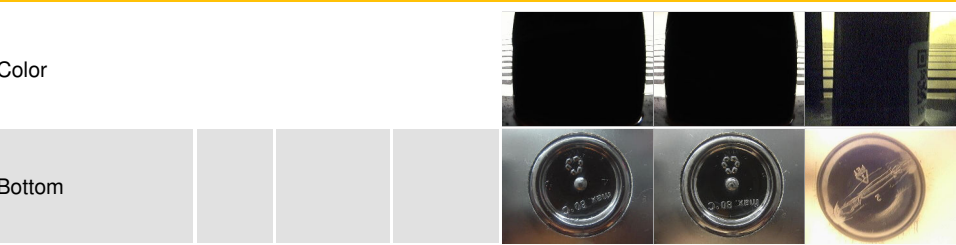
▲ PQ



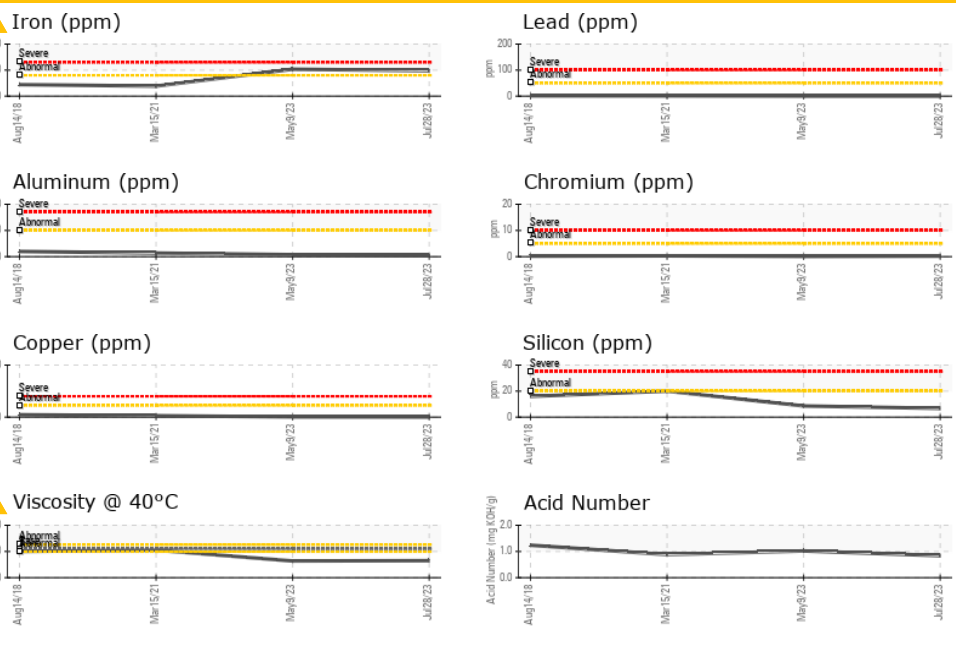
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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	▲ 32.4	▲ 31.8
Visc @ 100°C	cSt	ASTM D7279(m)	9.5	▲ 6.4	▲ 6.2
Viscosity Index (VI)	Scale	ASTM D2270*		153	147

▲ SAMPLE IMAGES



▲ GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0074557 **Received** : 22 Aug 2023
Lab Number : 02577544 **Diagnosed** : 24 Aug 2023
Unique Number : 5630604 **Diagnostician** : Kevin Marson
Test Package : MOB 2 (Additional Tests: KV100, PQ, VI)

TRANSDEV ST-JEAN
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 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.