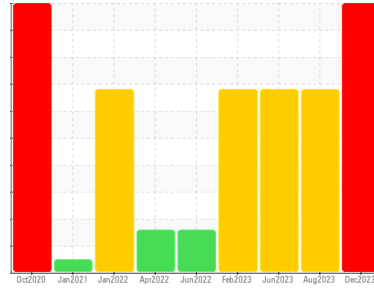


Machine Id
7230
Component
Transmission (Auto)
Fluid
CASTROL TRANSYND (--- GAL)



DIAGNOSIS

Recommendation

Nous vous recommandons de vérifier tous les endroits par lesquels de la saleté peut pénétrer dans le système. Nous vous recommandons de vidanger le fluide de ce composant si vous ne l'avez pas déjà fait. 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.

Wear

Il y a indication d'usure du convertisseur de couple. Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion.

Contamination

Concentration modérée de saleté dans le fluide. Une grande quantité de saleté a provoqué une usure abrasive du composant.

Fluid Condition

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. 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		PC0081908	PC0075494	PC0075442
Sample Date	Client Info		11 Dec 2023	23 Aug 2023	01 Jun 2023
Machine Age	hrs	Client Info	0	140168	136476
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	Not Changd
Sample Status			SEVERE	SEVERE	SEVERE

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*	>50	48	9	10
Iron	ppm	ASTM D5185(m) >160	359	280	262
Chromium	ppm	ASTM D5185(m) >5	1	<1	<1
Nickel	ppm	ASTM D5185(m) >5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	0	<1	0
Silver	ppm	ASTM D5185(m) >5	<1	0	0
Aluminum	ppm	ASTM D5185(m) >50	142	125	114
Lead	ppm	ASTM D5185(m) >50	12	11	11
Copper	ppm	ASTM D5185(m) >225	99	85	61
Tin	ppm	ASTM D5185(m) >10	3	3	3
Antimony	ppm	ASTM D5185(m)	0	0	<1
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

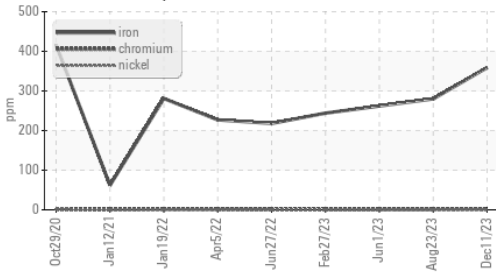
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 150	66	66	97
Barium	ppm	ASTM D5185(m) 0	2	2	2
Molybdenum	ppm	ASTM D5185(m) 0	0	<1	<1
Manganese	ppm	ASTM D5185(m)	4	4	3
Magnesium	ppm	ASTM D5185(m) 0	2	2	2
Calcium	ppm	ASTM D5185(m) 40	52	49	44
Phosphorus	ppm	ASTM D5185(m) 320	264	280	292
Zinc	ppm	ASTM D5185(m) 5	43	41	28
Sulfur	ppm	ASTM D5185(m) 1050	628	606	579
Lithium	ppm	ASTM D5185(m)	2	1	2

CONTAMINANTS

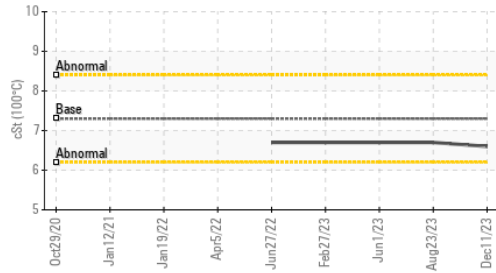
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	22	20	19
Sodium	ppm	ASTM D5185(m)	11	11	6
Potassium	ppm	ASTM D5185(m) >20	3	3	2

OIL ANALYSIS REPORT

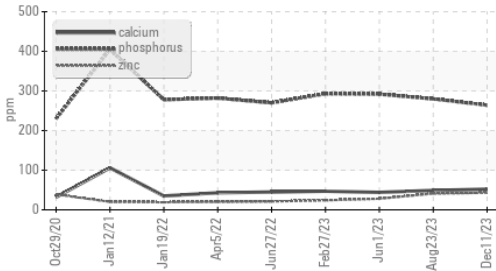
Ferrous Alloys



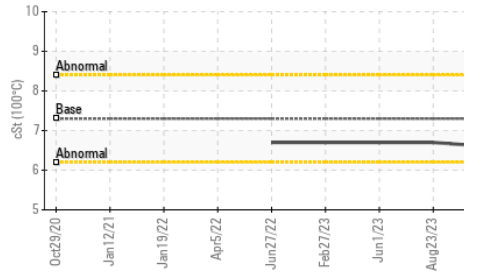
Viscosity @ 100°C



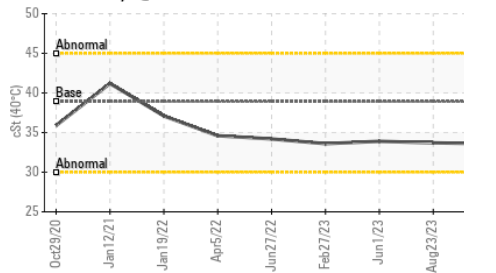
Additives



Viscosity @ 100°C



Viscosity @ 40°C



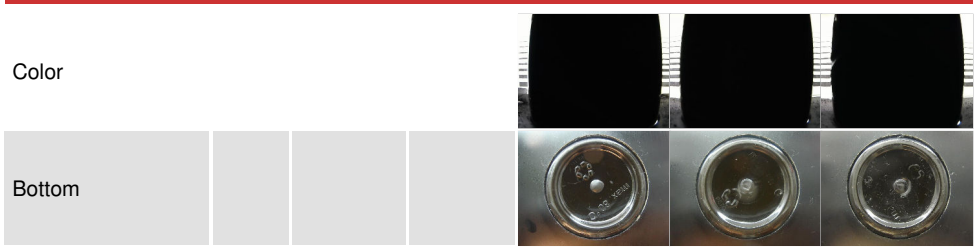
VISUAL

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

FLUID PROPERTIES

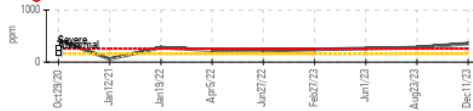
method	limit/base	current	history1	history2		
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	33.6	33.7	33.9
Visc @ 100°C	cSt	ASTM D7279(m)	7.3	6.6	6.7	6.7
Viscosity Index (VI)	Scale	ASTM D2270*	168	155	160	158

SAMPLE IMAGES

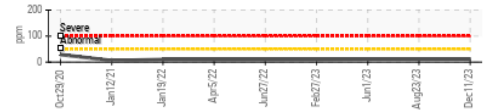


GRAPHS

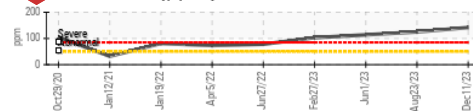
Iron (ppm)



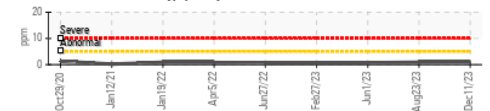
Lead (ppm)



Aluminum (ppm)



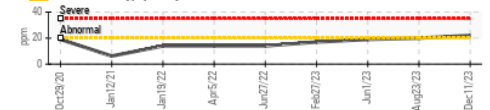
Chromium (ppm)



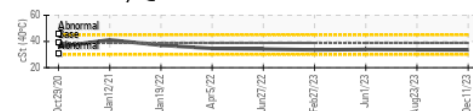
Copper (ppm)



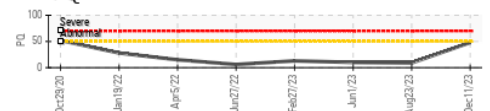
Silicon (ppm)



Viscosity @ 40°C



PQ



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 737 - Quebec City Hauling
Sample No. : PC0081908 **Received** : 13 Dec 2023
Lab Number : 02602878 **Diagnosed** : 14 Dec 2023
Unique Number : 5695963 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: KV100, PQ, VI)

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.

6205 Boul. Wilfrid Hamel,
 Quebec City, QC
 CA G2E 5G8
 Contact: Dave Beaulieu
 davebeaulieu@matrec.ca

T:
 F: