



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
ALLISON 227
Component
Rear Transmission (Auto)
Fluid
CASTROL TRANSYND (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0866535	WC0889050	WC0889107
Sample Date		Client Info		17 May 2024	11 Mar 2024	02 Jan 2024
Machine Age	kms	Client Info		0	0	0
Oil Age	kms	Client Info		48745	39304	29262
Filter Age	kms	Client Info		48745	39304	29262
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>230	52	64	59
Chromium	ppm	ASTM D5185(m)	>2	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	0	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	0
Aluminum	ppm	ASTM D5185(m)	>65	6	9	8
Lead	ppm	ASTM D5185(m)	>55	0	<1	<1
Copper	ppm	ASTM D5185(m)	>85	4	6	6
Tin	ppm	ASTM D5185(m)	>5	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

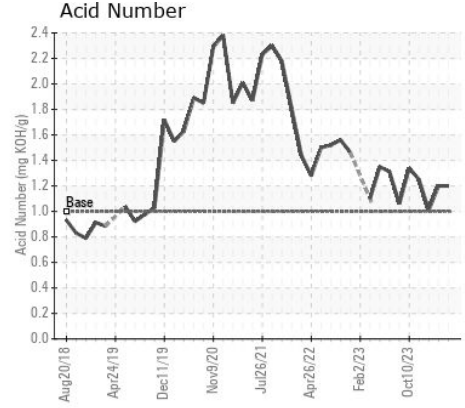
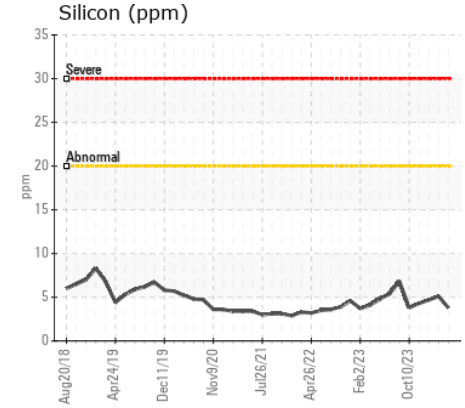
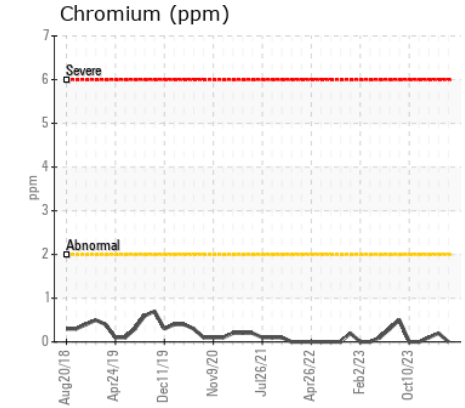
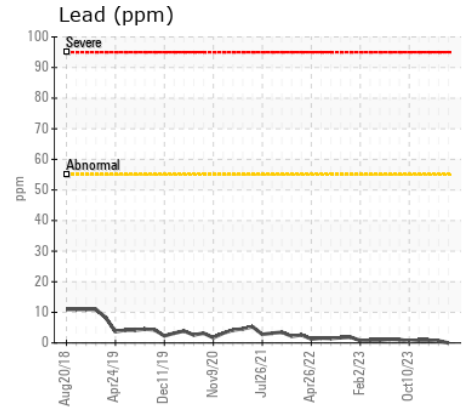
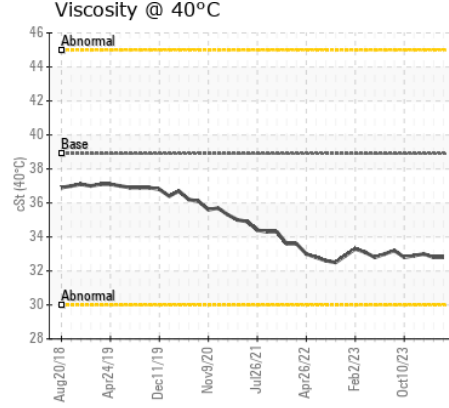
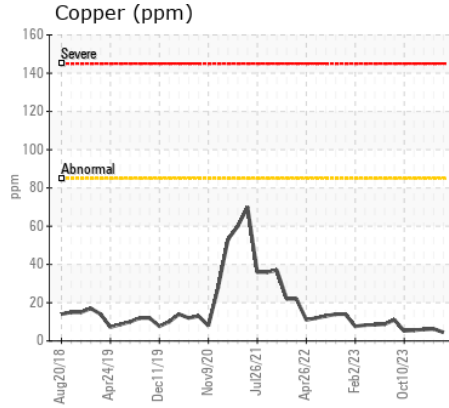
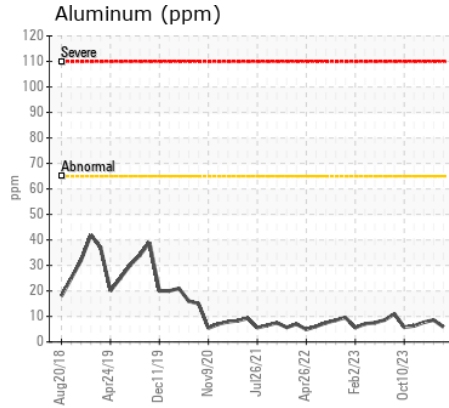
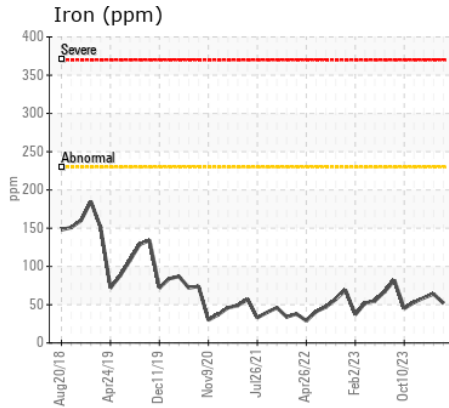
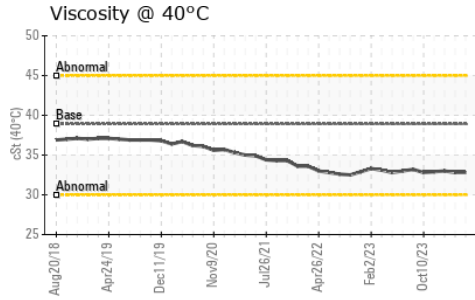
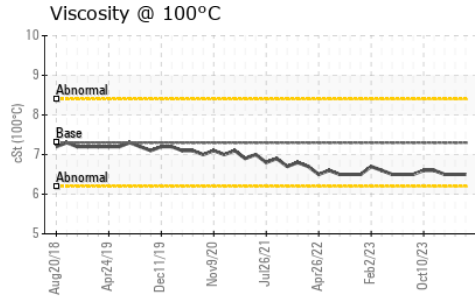
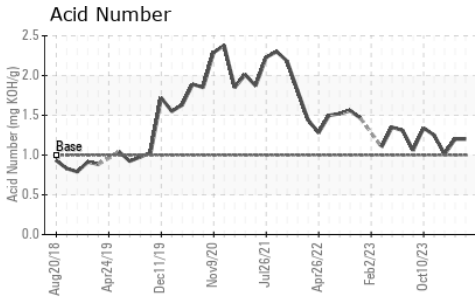
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	4	5	5
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	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

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

Sodium	ppm	ASTM D5185(m)		2	3	3
Boron	ppm	ASTM D5185(m)	150	64	71	70
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	2	<1	0
Manganese	ppm	ASTM D5185(m)		<1	0	0
Magnesium	ppm	ASTM D5185(m)	0	<1	1	1
Calcium	ppm	ASTM D5185(m)	40	124	128	126
Phosphorus	ppm	ASTM D5185(m)	320	195	238	233
Zinc	ppm	ASTM D5185(m)	5	4	3	3
Sulfur	ppm	ASTM D5185(m)	1050	1341	1589	1611
Acid Number (AN)	mg KOH/g	ASTM D974*	1.0	1.20	1.20	1.01
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	32.8	32.8	33.0
Visc @ 100°C	cSt	ASTM D7279(m)	7.3	6.5	6.5	6.5
Viscosity Index (VI)	Scale	ASTM D2270*	168	156	156	154



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0866535 **Received** : 23 May 2024
Lab Number : 02637230 **Tested** : 23 May 2024
Unique Number : 5786392 **Diagnosed** : 23 May 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: KV100, TAN Man, VI)

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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.