



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
ALLISON 229
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		WC0889024	WC0889084	WC0889097
Sample Date		Client Info		01 May 2024	04 Mar 2024	16 Jan 2024
Machine Age	kms	Client Info		0	0	0
Oil Age	kms	Client Info		8824	46156	37697
Filter Age	kms	Client Info		8824	46156	37697
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184*	>105	0	---	0
Iron	ppm	ASTM D5185(m)	>230	38	63	59
Chromium	ppm	ASTM D5185(m)	>2	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	0	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	0
Aluminum	ppm	ASTM D5185(m)	>65	9	15	13
Lead	ppm	ASTM D5185(m)	>55	0	2	2
Copper	ppm	ASTM D5185(m)	>85	6	10	9
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

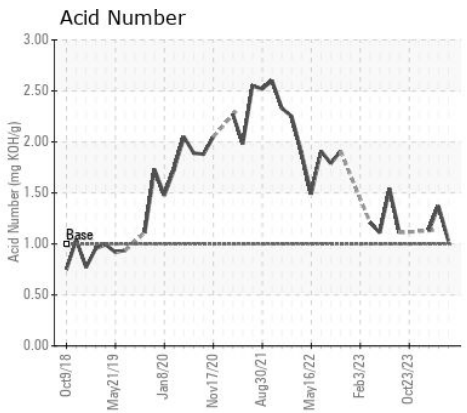
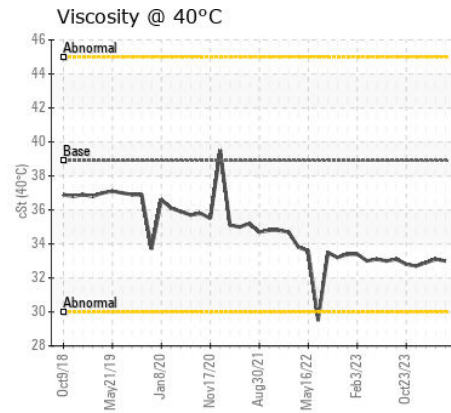
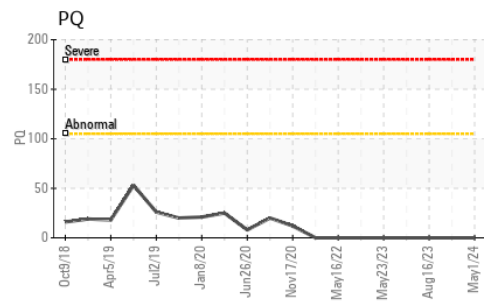
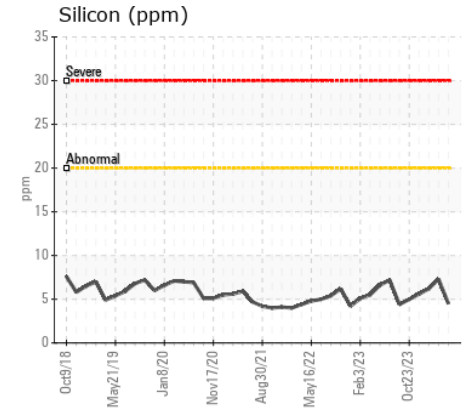
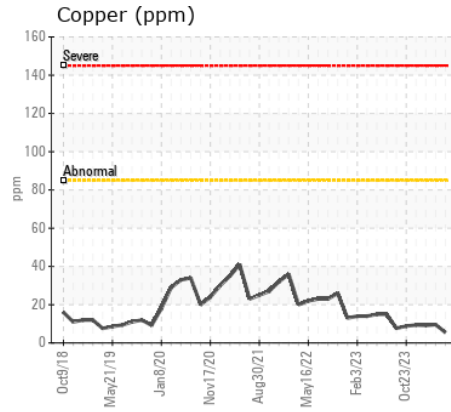
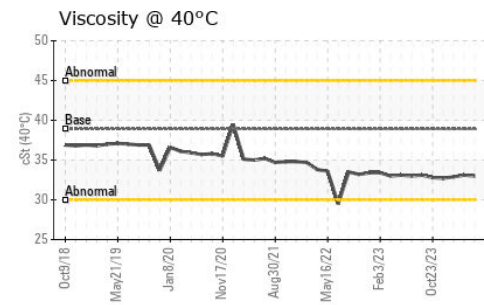
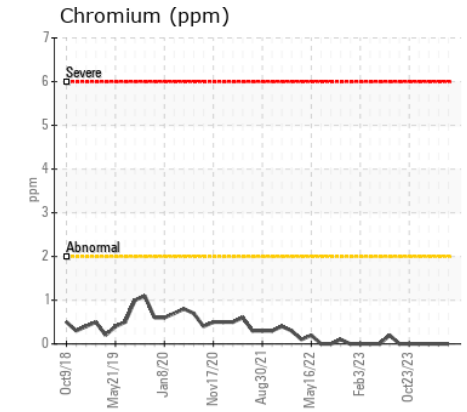
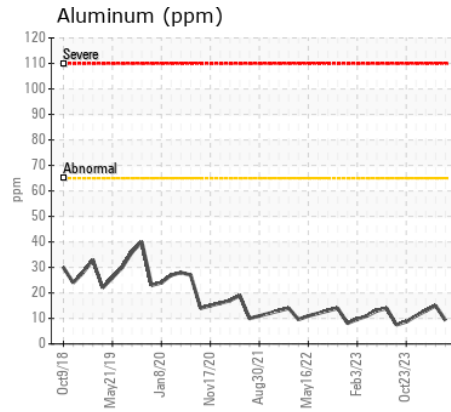
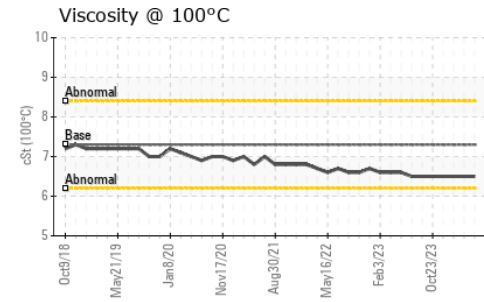
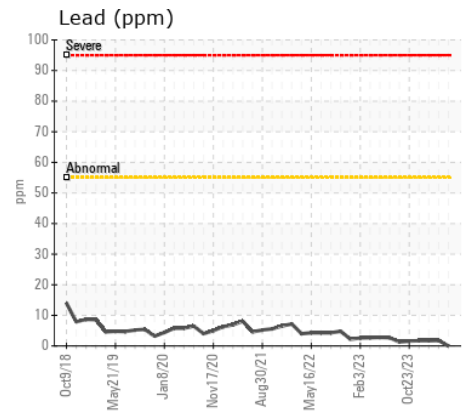
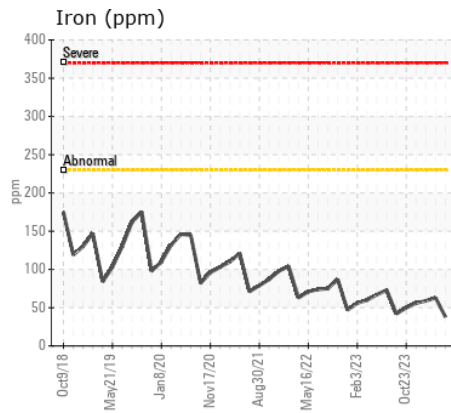
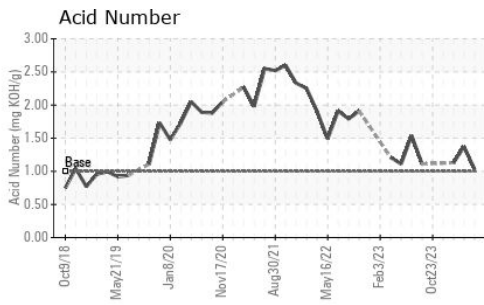
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	4	7	6
Potassium	ppm	ASTM D5185(m)	>20	1	2	1
Water		WC Method	>0.1	NEG	NEG	NEG
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

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)		3	4	4
Boron	ppm	ASTM D5185(m)	150	79	76	77
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	6	0	0
Manganese	ppm	ASTM D5185(m)		<1	0	0
Magnesium	ppm	ASTM D5185(m)	0	<1	1	<1
Calcium	ppm	ASTM D5185(m)	40	148	126	127
Phosphorus	ppm	ASTM D5185(m)	320	238	252	255
Zinc	ppm	ASTM D5185(m)	5	6	4	4
Sulfur	ppm	ASTM D5185(m)	1050	1546	1624	1694
Acid Number (AN)	mg KOH/g	ASTM D974*	1.0	1.03	1.37	1.13
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	33.0	33.1	32.9
Visc @ 100°C	cSt	ASTM D7279(m)	7.3	6.5	6.5	6.5
Viscosity Index (VI)	Scale	ASTM D2270*	168	154	154	155



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0889024 **Received** : 06 May 2024
Lab Number : 02633569 **Tested** : 07 May 2024
Unique Number : 5774722 **Diagnosed** : 07 May 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: KV100, PQ, 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.