



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
NOVA BUS 170
Component
Rear Transmission (Auto)
Fluid
CASTROL TRANSYND (--- LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0889090	WC0866463	WC0730834
Sample Date		Client Info		10 Jan 2024	03 Nov 2023	13 Sep 2023
Machine Age	kms	Client Info		0	0	0
Oil Age	kms	Client Info		19542	10115	48055
Filter Age	kms	Client Info		19542	10115	48055
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	0
Iron	ppm	ASTM D5185(m)	>230	17	52	82
Chromium	ppm	ASTM D5185(m)	>2	0	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>65	4	12	23
Lead	ppm	ASTM D5185(m)	>55	<1	2	4
Copper	ppm	ASTM D5185(m)	>85	2	6	9
Tin	ppm	ASTM D5185(m)	>5	0	<1	2
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

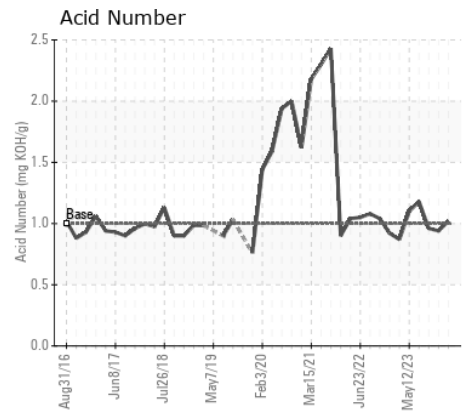
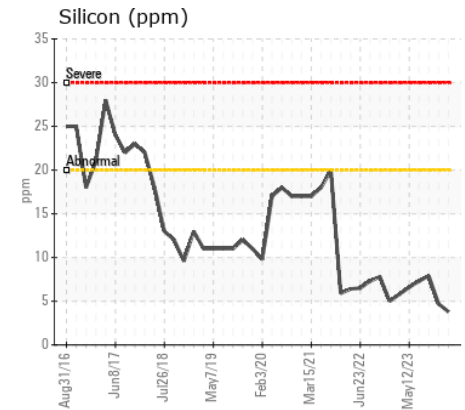
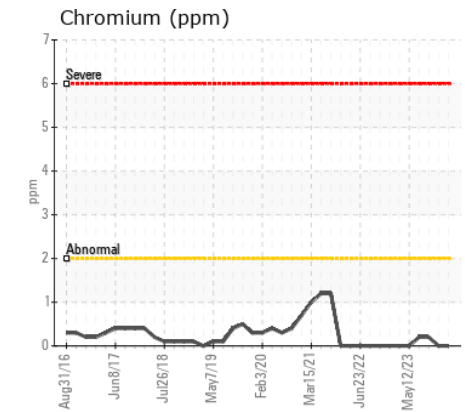
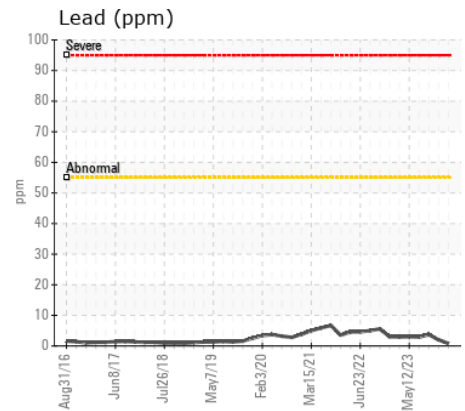
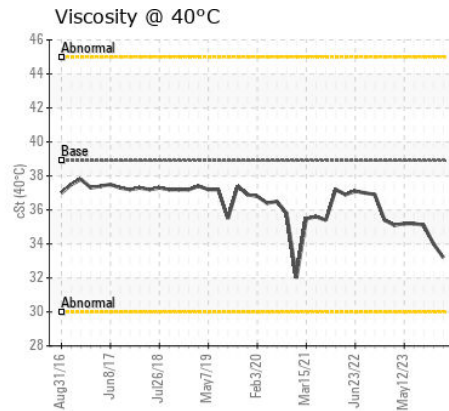
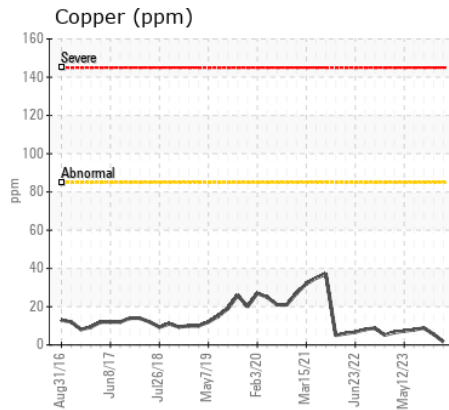
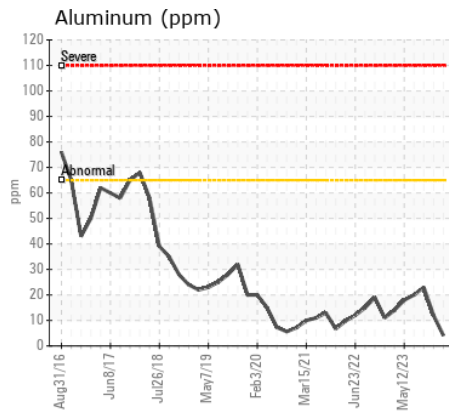
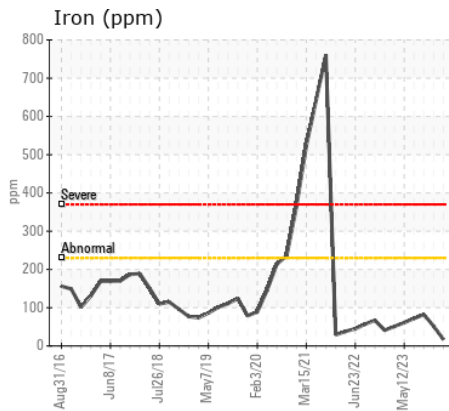
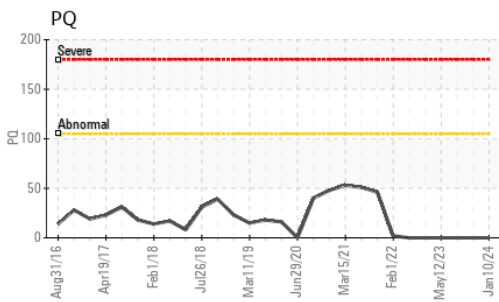
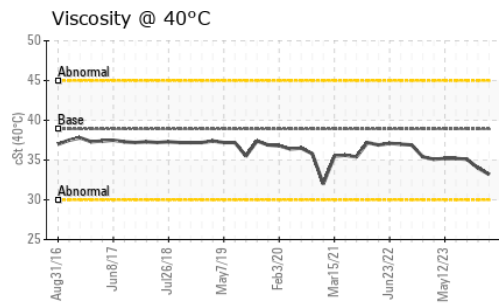
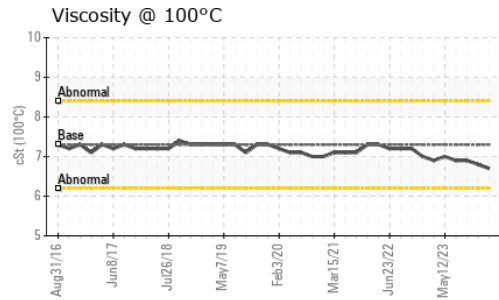
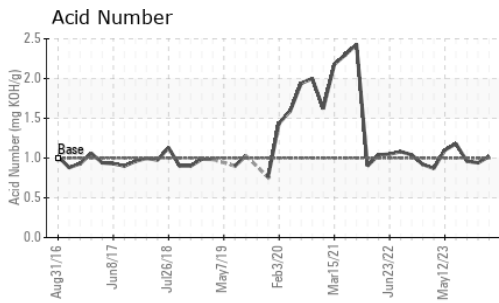
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	4	5	8
Potassium	ppm	ASTM D5185(m)	>20	1	1	4
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)		1	5	9
Boron	ppm	ASTM D5185(m)	150	74	64	59
Barium	ppm	ASTM D5185(m)	0	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	0	2	0	<1
Manganese	ppm	ASTM D5185(m)		0	0	1
Magnesium	ppm	ASTM D5185(m)	0	<1	1	3
Calcium	ppm	ASTM D5185(m)	40	132	112	96
Phosphorus	ppm	ASTM D5185(m)	320	221	219	252
Zinc	ppm	ASTM D5185(m)	5	4	6	10
Sulfur	ppm	ASTM D5185(m)	1050	1574	1221	1007
Acid Number (AN)	mg KOH/g	ASTM D974*	1.0	1.02	0.94	0.96
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	33.2	34.0	35.1
Visc @ 100°C	cSt	ASTM D7279(m)	7.3	6.7	6.8	6.9
Viscosity Index (VI)	Scale	ASTM D2270*	168	164	163	160



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0889090 **Received** : 19 Jan 2024
Lab Number : 02609999 **Diagnosed** : 22 Jan 2024
Unique Number : 5711085 **Diagnostician** : 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.