



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		WC0888988	WC0889090	WC0866463
Sample Date		Client Info		16 Apr 2024	10 Jan 2024	03 Nov 2023
Machine Age	kms	Client Info		0	0	0
Oil Age	kms	Client Info		28422	19542	10115
Filter Age	kms	Client Info		28422	19542	10115
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	23	17	52
Chromium	ppm	ASTM D5185(m)	>2	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>65	5	4	12
Lead	ppm	ASTM D5185(m)	>55	<1	<1	2
Copper	ppm	ASTM D5185(m)	>85	3	2	6
Tin	ppm	ASTM D5185(m)	>5	0	0	<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

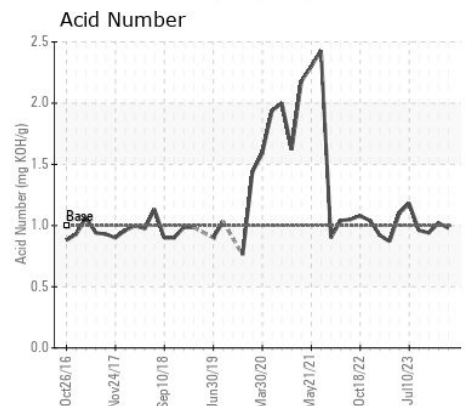
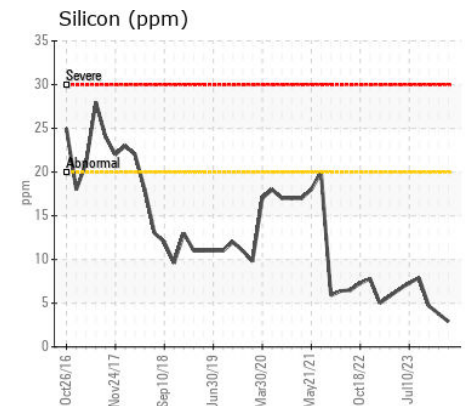
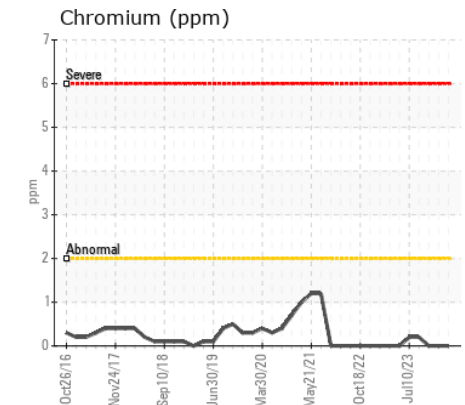
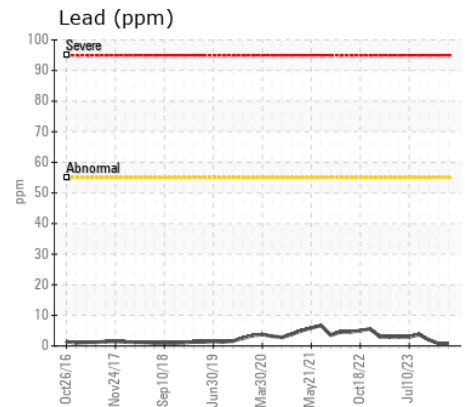
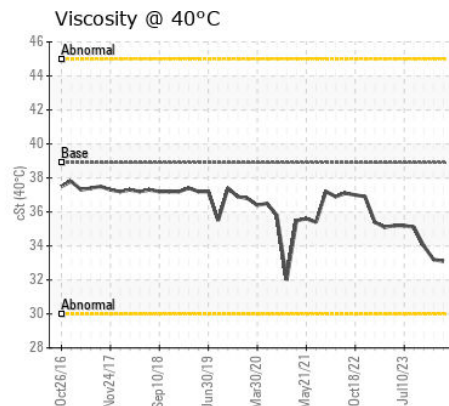
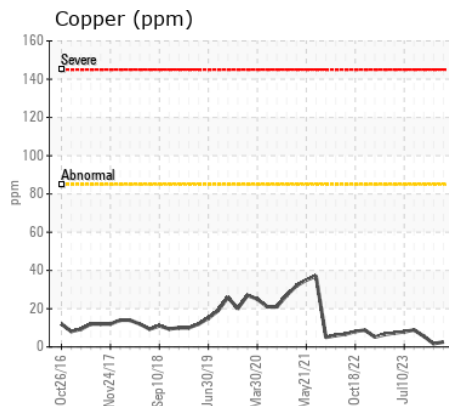
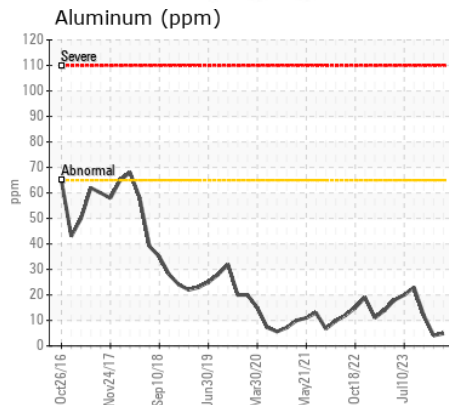
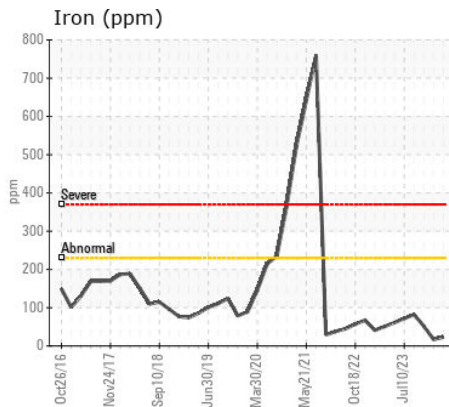
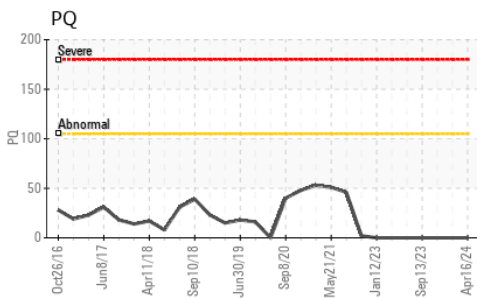
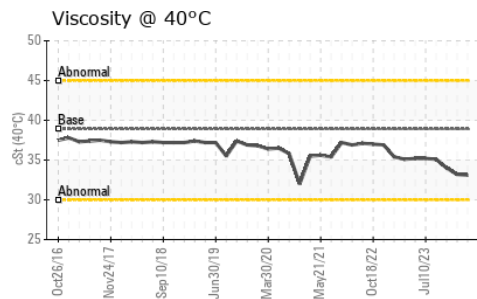
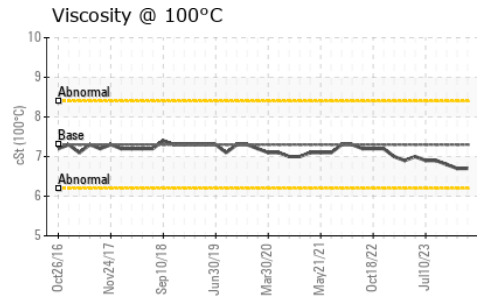
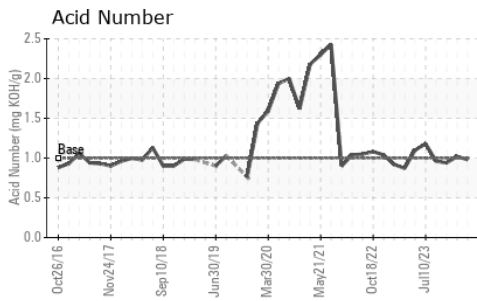
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	3	4	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	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)		2	1	5
Boron	ppm	ASTM D5185(m)	150	72	74	64
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	0	<1	2	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	0	1	<1	1
Calcium	ppm	ASTM D5185(m)	40	126	132	112
Phosphorus	ppm	ASTM D5185(m)	320	213	221	219
Zinc	ppm	ASTM D5185(m)	5	3	4	6
Sulfur	ppm	ASTM D5185(m)	1050	1348	1574	1221
Acid Number (AN)	mg KOH/g	ASTM D974*	1.0	0.98	1.02	0.94
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	33.1	33.2	34.0
Visc @ 100°C	cSt	ASTM D7279(m)	7.3	6.7	6.7	6.8
Viscosity Index (VI)	Scale	ASTM D2270*	168	164	164	163



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0888988 **Received** : 22 Apr 2024
Lab Number : 02630653 **Tested** : 23 Apr 2024
Unique Number : 5763785 **Diagnosed** : 23 Apr 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.