



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
NOVA BUS 168
Component
Rear Transmission (Auto)
Fluid
CASTROL TRANSYND (24 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0889128	WC0866613	WC0866631
Sample Date		Client Info		15 Feb 2024	18 Dec 2023	09 Nov 2023
Machine Age	kms	Client Info		0	0	0
Oil Age	kms	Client Info		9254	47295	37921
Filter Age	kms	Client Info		9254	47295	37921
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.

Iron	ppm	ASTM D5185(m)	>230	46	86	80
Chromium	ppm	ASTM D5185(m)	>2	0	0	0
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	<1
Aluminum	ppm	ASTM D5185(m)	>65	18	39	34
Lead	ppm	ASTM D5185(m)	>55	2	5	4
Copper	ppm	ASTM D5185(m)	>85	6	10	10
Tin	ppm	ASTM D5185(m)	>5	2	5	5
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

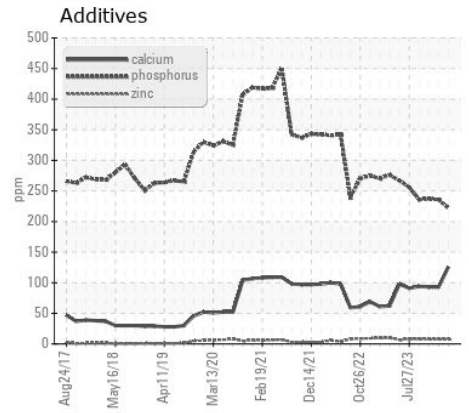
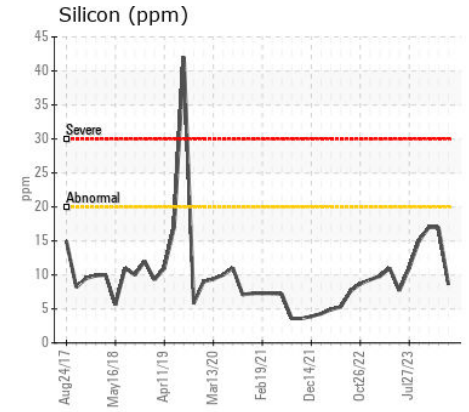
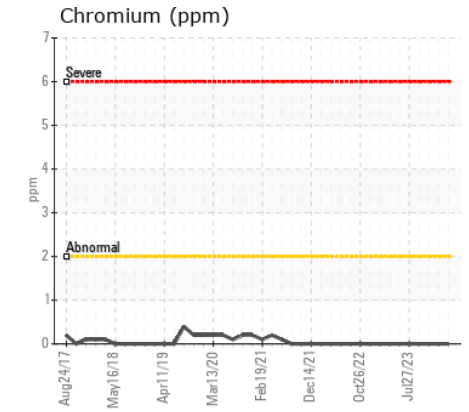
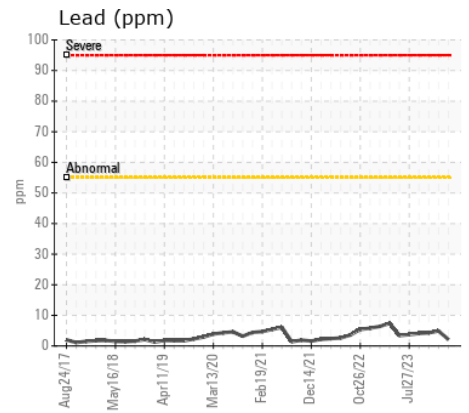
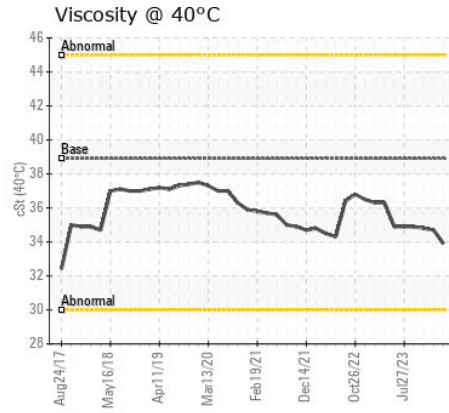
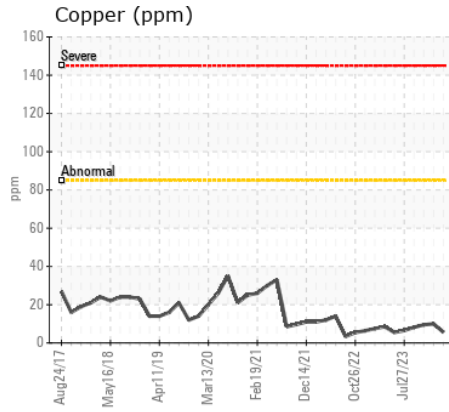
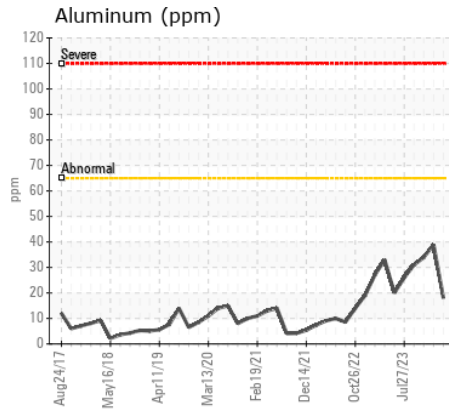
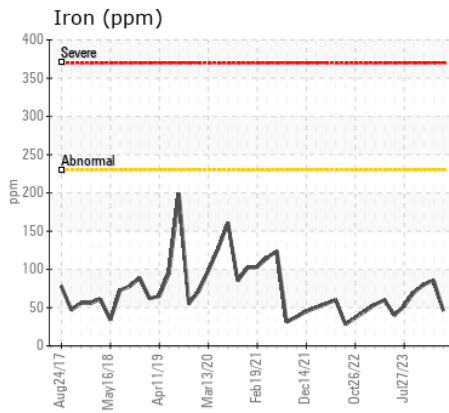
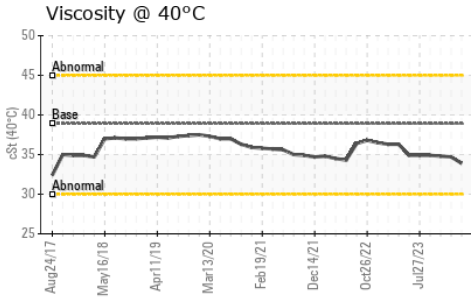
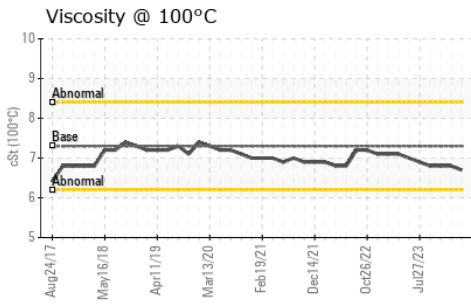
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	9	17	17
Potassium	ppm	ASTM D5185(m)	>20	2	4	2
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 condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		5	8	8
Boron	ppm	ASTM D5185(m)	150	68	65	69
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	0	4	0	0
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	0	1	3	2
Calcium	ppm	ASTM D5185(m)	40	126	93	93
Phosphorus	ppm	ASTM D5185(m)	320	222	236	237
Zinc	ppm	ASTM D5185(m)	5	7	8	8
Sulfur	ppm	ASTM D5185(m)	1050	1337	1048	1029
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	33.9	34.7	34.8
Visc @ 100°C	cSt	ASTM D7279(m)	7.3	6.7	6.8	6.8
Viscosity Index (VI)	Scale	ASTM D2270*	168	158	158	157



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0889128
Lab Number : 02618718
Unique Number : 5735828
Test Package : MOB 1 (Additional Tests: KV100, VI)
Received : 28 Feb 2024
Tested : 28 Feb 2024
Diagnosed : 28 Feb 2024 - Kevin Marson

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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.