MOB

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[1215]
Machine Id
NOVA BUS 1501-312
Component
Rear Diesel Engine
Fluid
VALVOLINE 15W40 (26 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

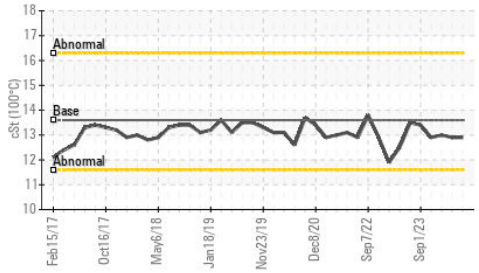
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

FLUID CONDITION

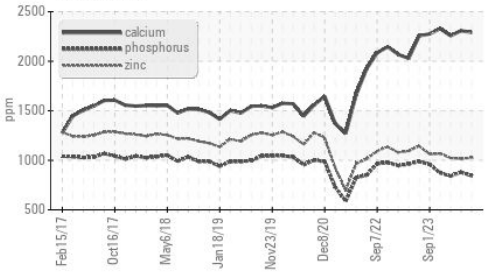
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0891774**	WC0875088	WC0875089
Sample Date		Client Info		**18 Mar 2024**	03 Jan 2024	01 Dec 2023
Machine Age	kms	Client Info		**628599**	610644	601542
Oil Age	kms	Client Info		**0**	0	0
Filter Age	kms	Client Info		**0**	0	0
Oil Changed		Client Info		**Changed**	N/A	Changed
Filter Changed		Client Info		**Changed**	N/A	Changed
Sample Status				**NORMAL**	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>100	**19**	9	10
Chromium	ppm	ASTM D5185(m)	>20	**<1**	<1	0
Nickel	ppm	ASTM D5185(m)	>4	**0**	0	<1
Titanium	ppm	ASTM D5185(m)		**0**	0	0
Silver	ppm	ASTM D5185(m)	>3	**0**	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	**3**	2	2
Lead	ppm	ASTM D5185(m)	>40	**0**	<1	<1
Copper	ppm	ASTM D5185(m)	>330	**5**	4	5
Tin	ppm	ASTM D5185(m)	>15	**0**	0	0
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Silicon	ppm	ASTM D5185(m)	>25	**3**	4	5
Potassium	ppm	ASTM D5185(m)	>20	**11**	28	32
Fuel		WC Method	>5	**<1.0**	<1.0	<1.0
Water		WC Method	>0.2	**NEG**	NEG	NEG
Glycol		WC Method		**NEG**	0.0	0.0
Soot %	%	ASTM D7844*	>3	**0.3**	0.2	0.2
Nitration	Abs/cm	ASTM D7624*	>20	**8.0**	7.8	7.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	**20.9**	20.1	19.9
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)		**4**	8	10
Boron	ppm	ASTM D5185(m)	39	**8**	10	13
Barium	ppm	ASTM D5185(m)	1	**0**	0	<1
Molybdenum	ppm	ASTM D5185(m)	49	**6**	9	12
Manganese	ppm	ASTM D5185(m)	1	**0**	0	0
Magnesium	ppm	ASTM D5185(m)	616	**52**	50	61
Calcium	ppm	ASTM D5185(m)	1554	**2291**	2308	2257
Phosphorus	ppm	ASTM D5185(m)	899	**845**	879	841
Zinc	ppm	ASTM D5185(m)	1069	**1025**	1015	1023
Sulfur	ppm	ASTM D5185(m)	2624	**2759**	3038	2835
Oxidation	Abs/.1mm	ASTM D7414*	>25	**13.7**	12.6	12.8
Visc @ 100°C	cSt	ASTM D7279(m)	13.6	**12.9**	12.9	13.0

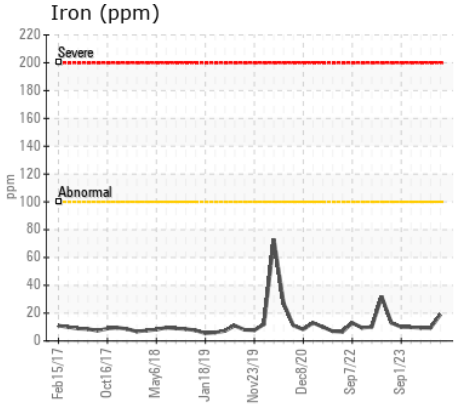
Viscosity @ 100°C



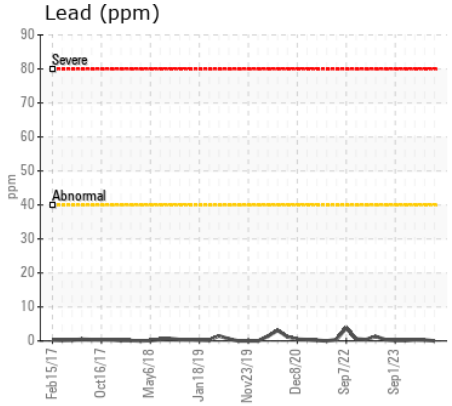
Additives



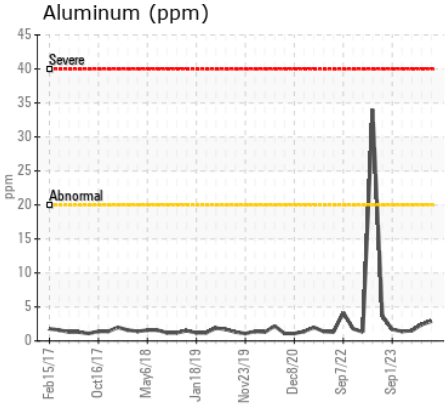
Iron (ppm)



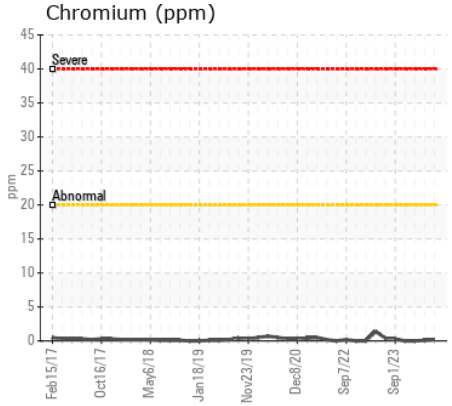
Lead (ppm)



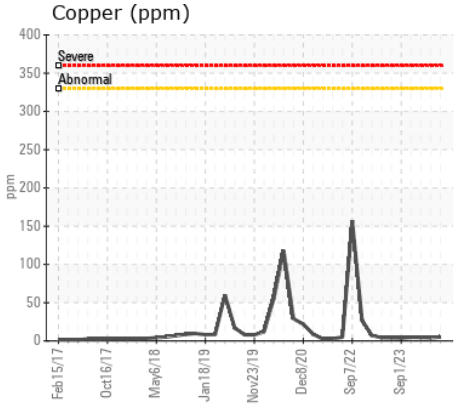
Aluminum (ppm)



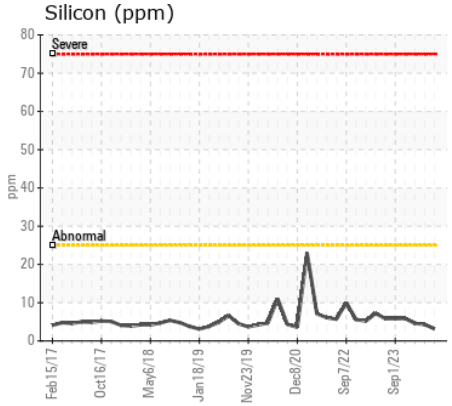
Chromium (ppm)



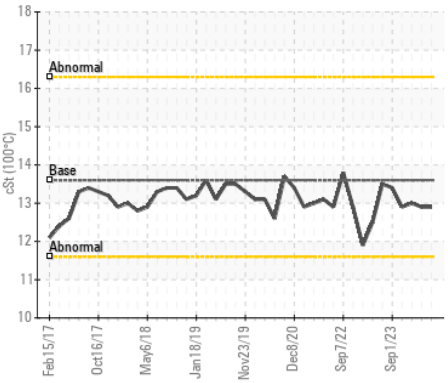
Copper (ppm)



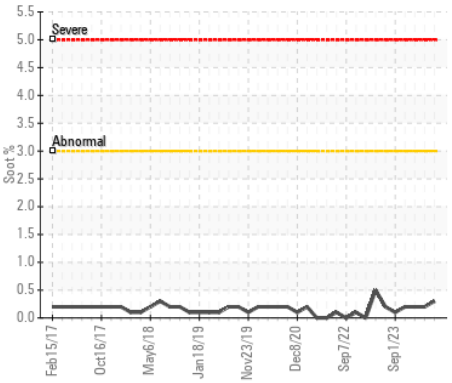
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0891774
Lab Number : 02625567
Unique Number : 5750686
Test Package : MOB 1

Received : 01 Apr 2024
Tested : 01 Apr 2024
Diagnosed : 01 Apr 2024 - Wes Davis

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.

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