**WEAR CONTAMINATION FLUID CONDITION**  **NORMAL SEVERE NORMAL** 

Machine Id

## 2008 NOVA 150

Component Rear Diesel Engine

Test Sample Number	UOM	Method	Limit/Abn	Current	History1	History2
Campic Number		Client Info		WC0889091	WC0866436	WC081637
Sample Date		Client Info		10 Jan 2024	23 Nov 2023	25 Sep 202
Machine Age	kms	Client Info		0	0	0
Oil Age	kms	Client Info		8723	8976	9406
Filter Age	kms	Client Info		8723	8976	9406
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	ABNORMA
Iron	ppm	ASTM D5185(m)	>75	20	29	30
Chromium	ppm	ASTM D5185(m)	>5	<1	1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>15	4	5	4
Lead	ppm	ASTM D5185(m)	>25	1	<1	2
Copper	ppm	ASTM D5185(m)	>100	2	2	2
Tin	ppm		>4	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Silicon	ppm	ASTM D5185(m)	>25	7	8	10
Potassium	ppm	1 /		8	7	9
Fuel	%			-	<u>▲</u> 5.3	<u></u> 5.5
Water			>0.2			NEG
			-			NEG
						1.1
						13.3
						34.4 NEG
		visuai				
Sodium	ppm		>192	4	6	6
						53
						<1
						2
Manganese	ppm	ASTM D5185(m) ASTM D5185(m)		0 16	0 20	0
Magnocium		do including the second		10	<u< th=""><th></th></u<>	
Magnesium Calcium	ppm		3780			
Calcium	ppm	ASTM D5185(m)		2262	2212	2188
Calcium Phosphorus	ppm	ASTM D5185(m) ASTM D5185(m)	1370	2262 948	2212 888	2188 877
Calcium	ppm	ASTM D5185(m)	1370 1500	2262	2212	2188
	Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Emulsified Water	Oil Age kms Filter Age kms Oil Changed Filter Changed Sample Status  Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm Silicon ppm Potassium ppm Fuel % Water Glycol Soot % % Nitration Abs/cm Sulfation Abs/.1mm Emulsified Water scalar Sodium ppm Boron ppm Barium ppm	Oil Age kms Client Info Filter Age kms Client Info Oil Changed Client Info Oil Changed Client Info Sample Status  Iron ppm ASTM D5185(m) Chromium ppm ASTM D5185(m) Nickel ppm ASTM D5185(m) Titanium ppm ASTM D5185(m) Silver ppm ASTM D5185(m) Lead ppm ASTM D5185(m) Copper ppm ASTM D5185(m) Tin ppm ASTM D5185(m) Vanadium ppm ASTM D5185(m) Vanadium ppm ASTM D5185(m)  Silicon ppm ASTM D5185(m) Vanadium ppm ASTM D5185(m)  Vanadium ppm ASTM D5185(m)  Silicon ppm ASTM D5185(m)  Vanadium ppm ASTM D5185(m)  Silicon ppm ASTM D5185(m)  Soot % ASTM D7624*  Sulfation Abs/cm ASTM D7415*  Emulsified Water scalar Visual*  Sodium ppm ASTM D5185(m)  Boron ppm ASTM D5185(m)  Barium ppm ASTM D5185(m)	Oil AgekmsClient InfoFilter AgekmsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusIronppmASTM D5185(m)>75ChromiumppmASTM D5185(m)>5NickelppmASTM D5185(m)>4TitaniumppmASTM D5185(m)>2SilverppmASTM D5185(m)>2AluminumppmASTM D5185(m)>15LeadppmASTM D5185(m)>25CopperppmASTM D5185(m)>4VanadiumppmASTM D5185(m)>25PotassiumppmASTM D5185(m)>20Fuel%ASTM D5185(m)>20Fuel%ASTM D7593*>3.0WaterWC Method>0.2GlycolWC Method>0.2Soot %%ASTM D7844*>6NitrationAbs/cmASTM D7624*>20SulfationAbs/.1mmASTM D7415*>30Emulsified WaterscalarVisual*>0.2SodiumppmASTM D5185(m)>192BoronppmASTM D5185(m)BariumppmASTM D5185(m)	Oil Age         kms         Client Info         8723           Filter Age         kms         Client Info         8723           Oil Changed         Client Info         Changed           Filter Changed         Client Info         N/A           Sample Status         SEVERE           Iron         ppm         ASTM D5185(m)         >75         20           Chromium         ppm         ASTM D5185(m)         >5         <1	Oil Age         kms         Client Info         8723         8976           Filter Age         kms         Client Info         8723         8976           Oil Changed         Client Info         Changed         Changed           Filter Changed         Client Info         N/A         N/A           Sample Status         SEVERE         ABNORMAL           Iron         ppm         ASTM D5185(m)         >75         20         29           Chromium         ppm         ASTM D5185(m)         >5         <1

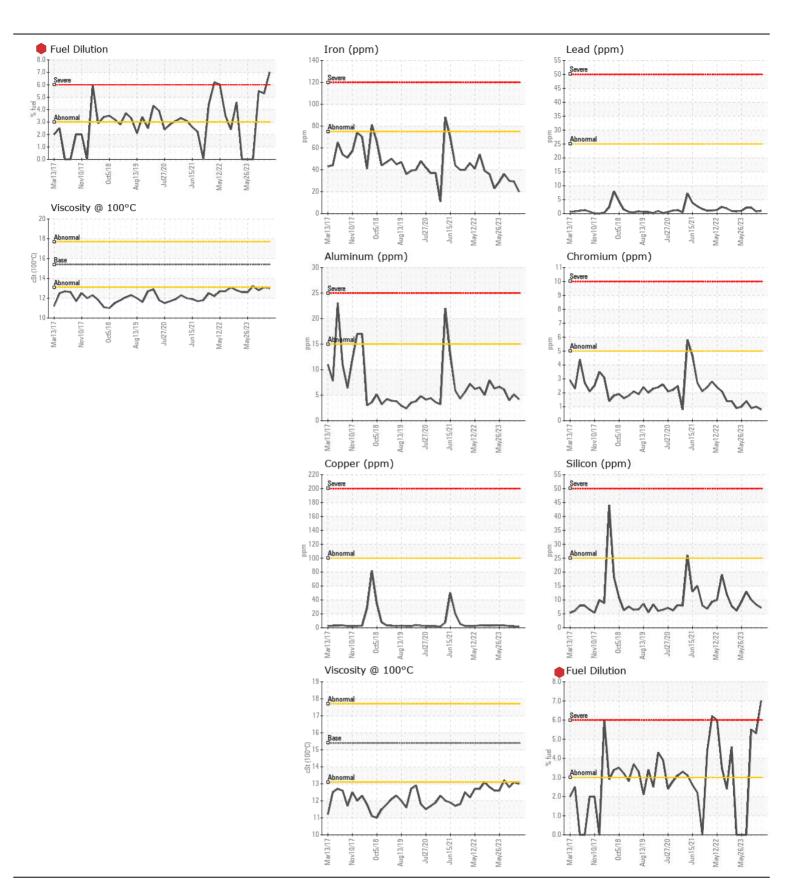
Visc @ 100°C cSt

ASTM D7279(m) 15.4

13.1

13.0

12.8





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number **Unique Number** 

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

: WC0889091 : 02609875 : 5710961

Recieved Diagnosed

: 19 Jan 2024 : 22 Jan 2024 Diagnostician : Kevin Marson

Test Package : MOB 1 ( Additional Tests: PercentFuel )

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.

**CITY OF THUNDER BAY** 

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