



# OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>MARGINAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**NEWMANS AUTOMOTIVE**

Machine Id  
**FORD 17**

Component  
**Diesel Engine**

Fluid  
**SAE 5W30 (--- GAL)**

## RECOMMENDATION

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Aucune autre mesure corrective n'est recommandée pour l'instant.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0574195</b>	---	---
Sample Date		Client Info		<b>28 Mar 2024</b>	---	---
Machine Age	kms	Client Info		<b>225487</b>	---	---
Oil Age	kms	Client Info		<b>3940</b>	---	---
Filter Age	kms	Client Info		<b>3940</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

## WEAR

Usure de palier.

Iron	ppm	ASTM D5185(m)	>100	<b>10</b>	---	---
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>4</b>	---	---
Lead	ppm	ASTM D5185(m)	>40	<b>▲ 52</b>	---	---
Copper	ppm	ASTM D5185(m)	>330	<b>2</b>	---	---
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---

## CONTAMINATION

Légère dilution de carburant dans l'huile. Aucun autre contaminant n'a été détecté dans l'huile.

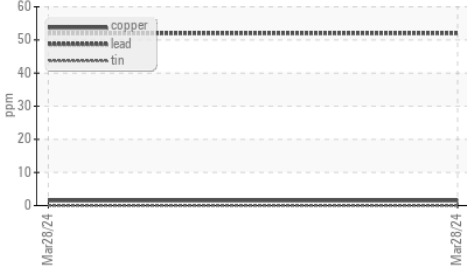
Silicon	ppm	ASTM D5185(m)	>25	<b>17</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Fuel	%	ASTM D7593*	>5	<b>▲ 3.4</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
Soot %	%	ASTM D7844*	>3	<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.8</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>20.4</b>	---	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---	---

## FLUID CONDITION

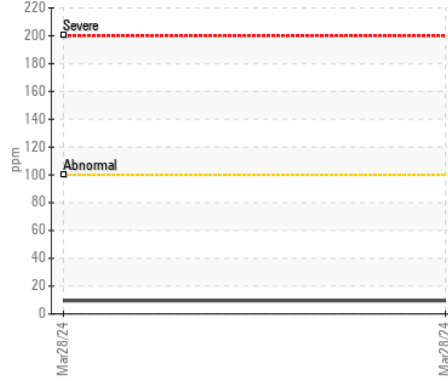
l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>17</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>66</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>371</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>1236</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>640</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>722</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>1757</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.9</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.0	<b>8.9</b>	---	---

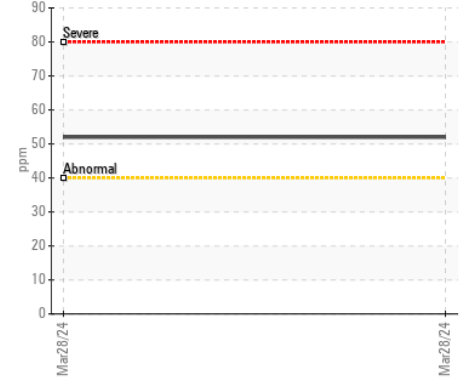
▲ Non-ferrous Metals



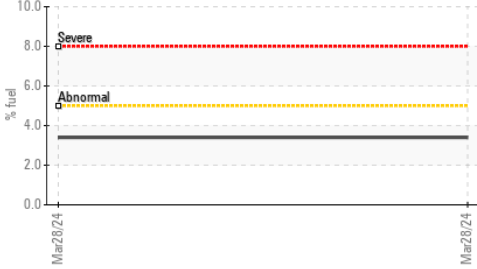
Iron (ppm)



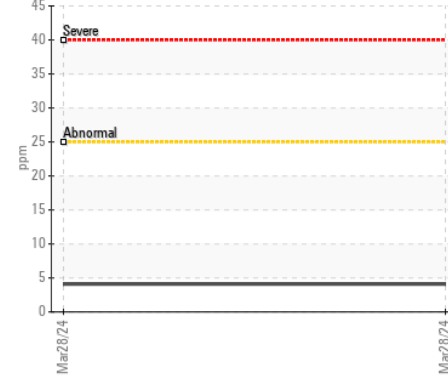
▲ Lead (ppm)



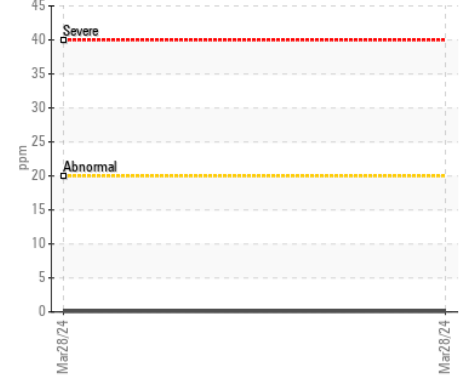
▲ Fuel Dilution



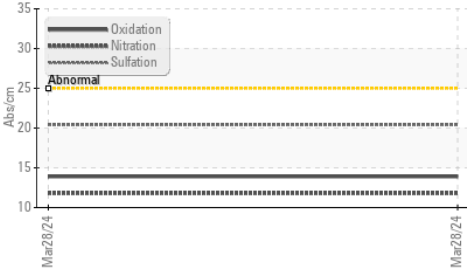
Aluminum (ppm)



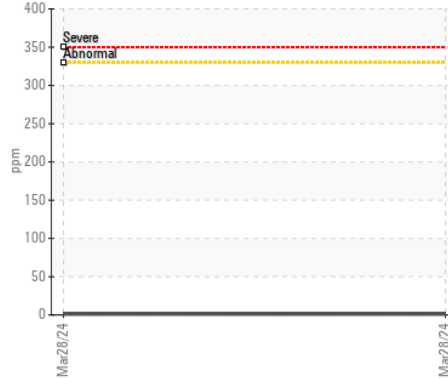
Chromium (ppm)



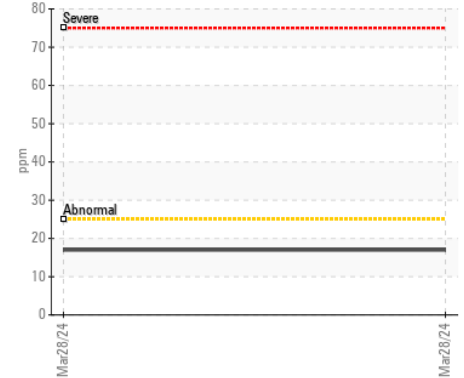
FT-IR (Direct Trend)



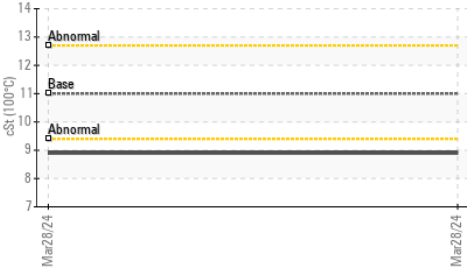
Copper (ppm)



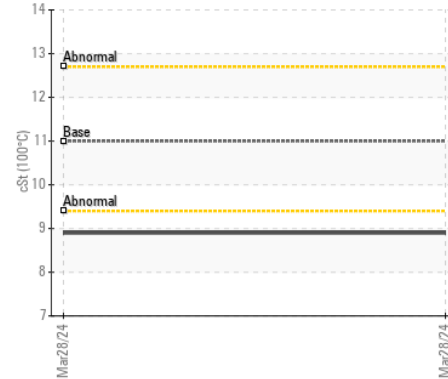
Silicon (ppm)



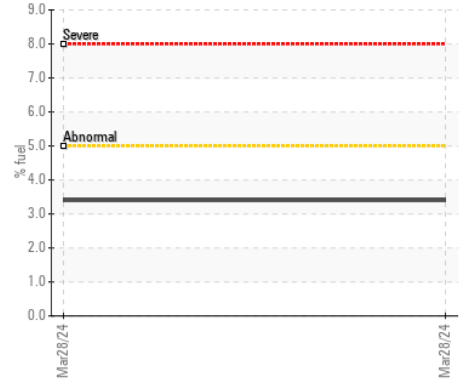
Viscosity @ 100°C



Viscosity @ 100°C



▲ Fuel Dilution



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0574195 **Received** : 02 Apr 2024  
**Lab Number** : 02625982 **Tested** : 03 Apr 2024  
**Unique Number** : 5759114 **Diagnosed** : 03 Apr 2024 - Bill Quesnel  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, 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.

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