



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**VOLVO VNL740 906029**  
Component  
**Diesel Engine**  
Fluid  
**CHEVRON DELO 400 XLE 10W30 (26 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0899272</b>	WC0808334	WC0756911
Sample Date		Client Info		<b>04 Mar 2024</b>	05 May 2023	08 Nov 2022
Machine Age	kms	Client Info		<b>149491</b>	1001502	901838
Oil Age	kms	Client Info		<b>26228</b>	52000	50000
Filter Age	kms	Client Info		<b>26228</b>	52000	50000
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>11</b>	30	28
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	<b>4</b>	6	4
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	3	1
Copper	ppm	ASTM D5185(m)	>330	<b>3</b>	4	3
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

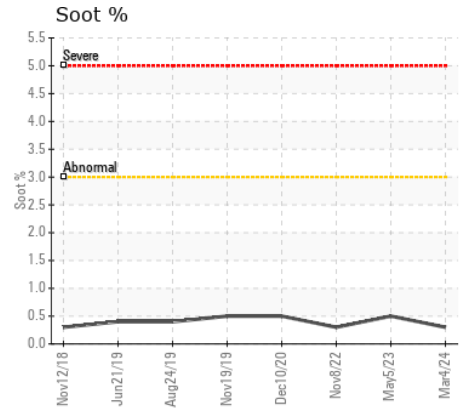
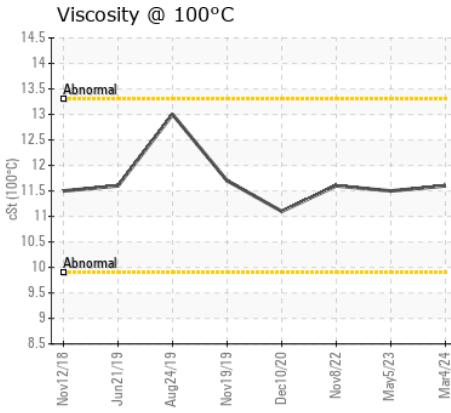
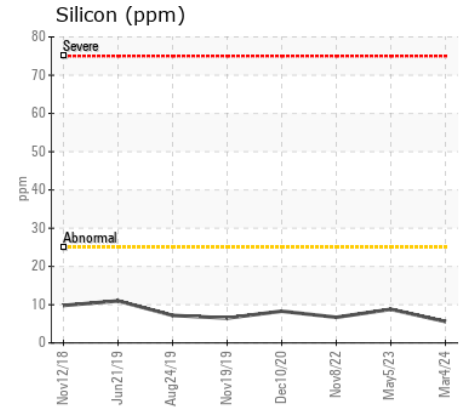
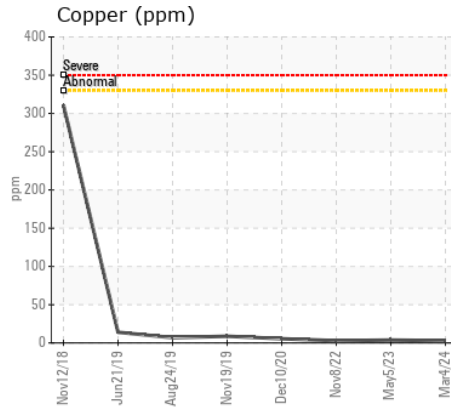
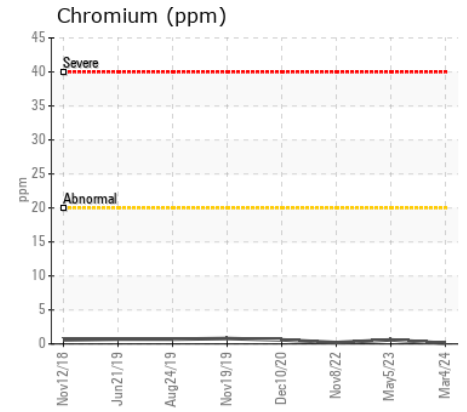
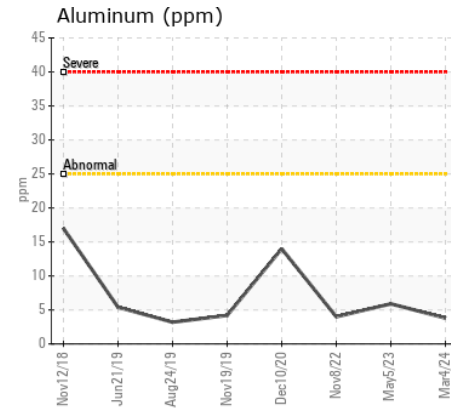
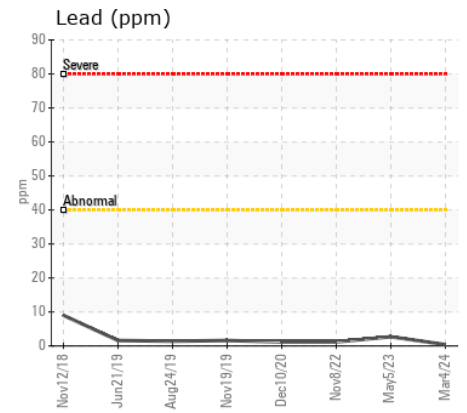
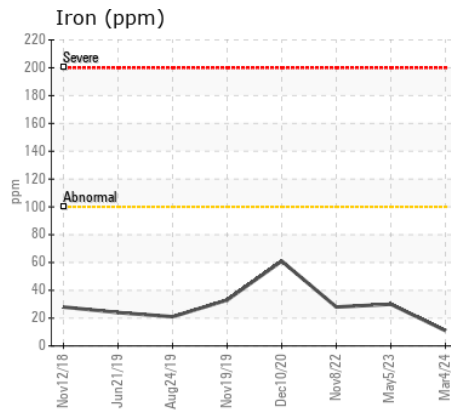
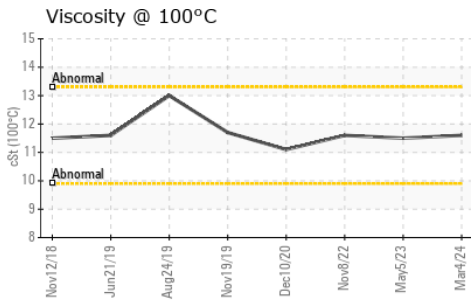
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>6</b>	9	7
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	5	4
Fuel		WC Method	>6.0	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0.3</b>	0.5	0.3
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.3</b>	10.2	9.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>20.3</b>	26.7	26.1
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<b>3</b>	5	4
Boron	ppm	ASTM D5185(m)		<b>42</b>	17	15
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>7</b>	6	5
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>712</b>	704	680
Calcium	ppm	ASTM D5185(m)		<b>1314</b>	1351	1321
Phosphorus	ppm	ASTM D5185(m)		<b>679</b>	725	709
Zinc	ppm	ASTM D5185(m)		<b>757</b>	742	746
Sulfur	ppm	ASTM D5185(m)		<b>2580</b>	2437	2427
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>14.6</b>	21.9	20.6
Visc @ 100°C	cSt	ASTM D7279(m)		<b>11.6</b>	11.5	11.6



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0899272  
**Lab Number** : 02620076  
**Unique Number** : 5737186  
**Test Package** : MOB 1  
**Received** : 06 Mar 2024  
**Tested** : 06 Mar 2024  
**Diagnosed** : 06 Mar 2024 - Wes Davis

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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.