



# OIL ANALYSIS REPORT

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

Machine Id  
**CHEVROLET 13519**  
Component  
**Gasoline Engine**  
Fluid  
**CHEVRON SUPREME MOTOR OIL 5W30 (--- QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0950556</b>	WC0856882	WC0756471
Sample Date		Client Info		<b>11 Jul 2024</b>	21 Oct 2023	18 Nov 2022
Machine Age	mls	Client Info		<b>193627</b>	189149	186265
Oil Age	mls	Client Info		<b>0</b>	0	5000
Filter Age	mls	Client Info		<b>0</b>	0	5000
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 D5185m	>150	<b>20</b>	20	33
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>5</b>	4	4
Lead	ppm	ASTM D5185m	>50	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>155	<b>13</b>	11	11
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

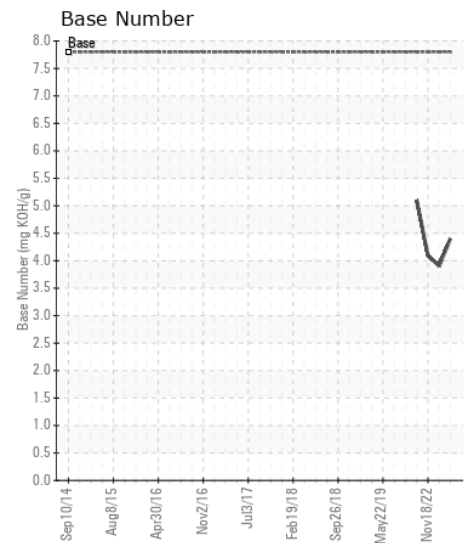
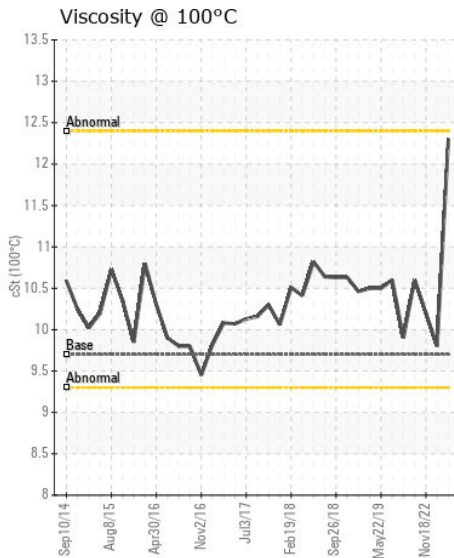
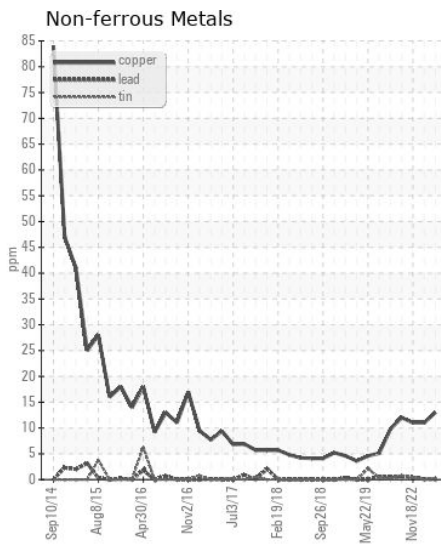
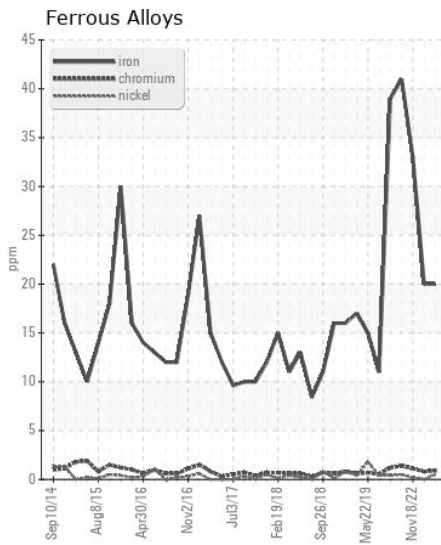
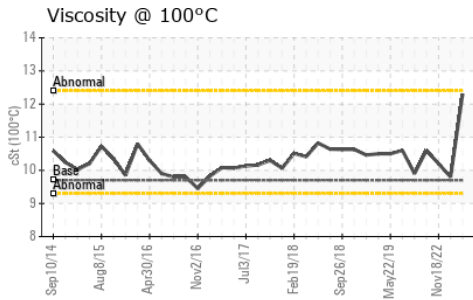
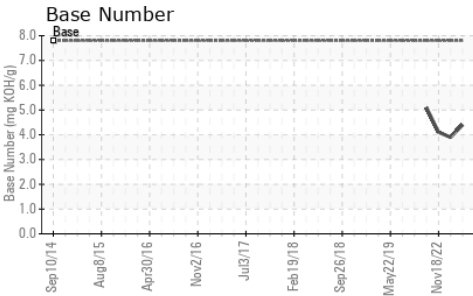
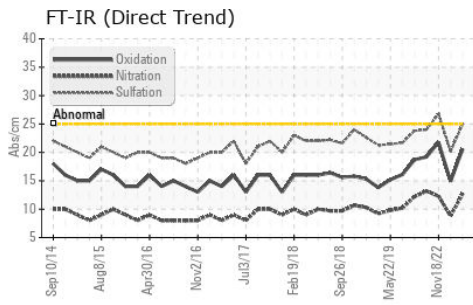
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	<b>26</b>	10	12
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	2	<1
Fuel		WC Method	>4.0	<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		<b>0.1</b>	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>12.7</b>	8.8	12.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>25.0</b>	20.2	26.8
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>400	<b>2</b>	1	2
Boron	ppm	ASTM D5185m		<b>34</b>	29	23
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>52</b>	190	167
Manganese	ppm	ASTM D5185m		<b>6</b>	1	<1
Magnesium	ppm	ASTM D5185m		<b>716</b>	393	350
Calcium	ppm	ASTM D5185m		<b>1464</b>	1217	1316
Phosphorus	ppm	ASTM D5185m	780	<b>795</b>	618	641
Zinc	ppm	ASTM D5185m	860	<b>929</b>	774	737
Sulfur	ppm	ASTM D5185m		<b>3016</b>	1847	2157
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>20.6</b>	14.9	21.8
Base Number (BN)	mg KOH/g	ASTM D2896	7.8	<b>4.4</b>	3.9	4.1
Visc @ 100°C	cSt	ASTM D445	9.7	<b>12.3</b>	9.8	10.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0950556 **Received** : 18 Jul 2024  
**Lab Number** : 06239871 **Tested** : 18 Jul 2024  
**Unique Number** : 11128705 **Diagnosed** : 19 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: TBN )

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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