



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[6100310144]

Machine Id

CHEVROLET 25896

Component

Natural Gas Engine

Fluid

TOTAL FINA QUARTZ INEO 504/507 5W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0021455	WA0017552	WA0015659
Sample Date		Client Info		06 Jun 2024	25 Jan 2022	12 Nov 2020
Machine Age	hrs	Client Info		369	251	199
Oil Age	hrs	Client Info		0	20	30
Filter Age	hrs	Client Info		0	20	30
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>50	7	17	6
Chromium	ppm	ASTM D5185(m)	>4	0	<1	0
Nickel	ppm	ASTM D5185(m)	>2	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>9	2	2	2
Lead	ppm	ASTM D5185(m)	>30	0	1	<1
Copper	ppm	ASTM D5185(m)	>35	<1	1	2
Tin	ppm	ASTM D5185(m)	>4	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

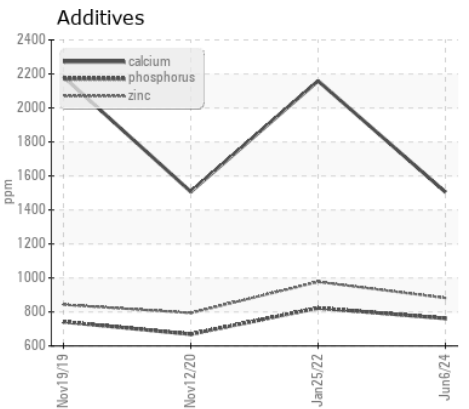
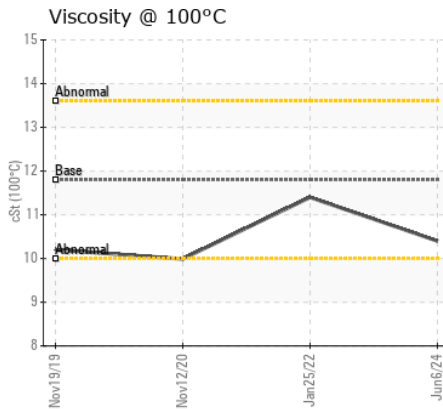
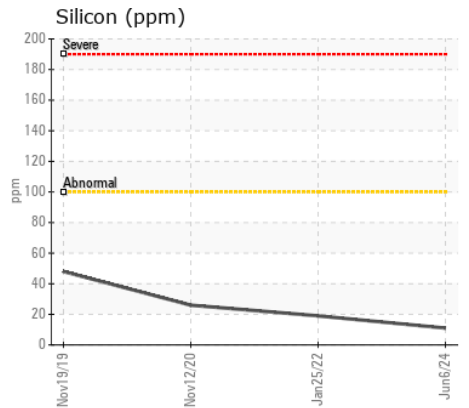
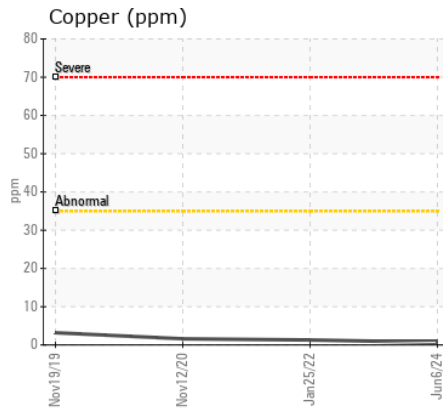
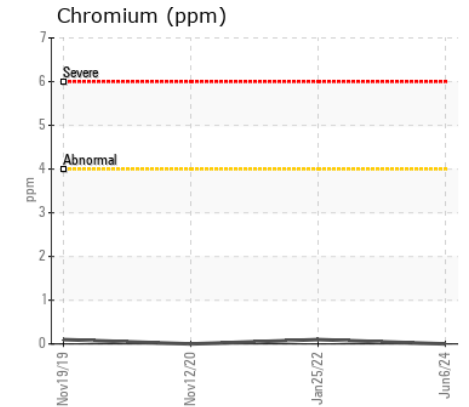
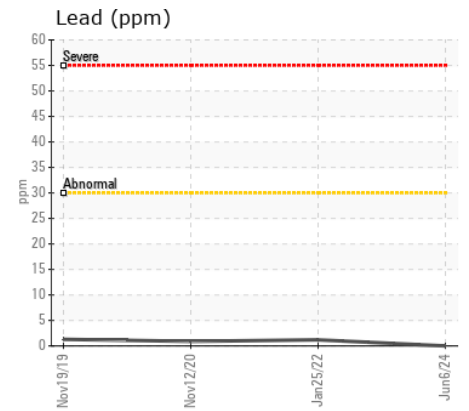
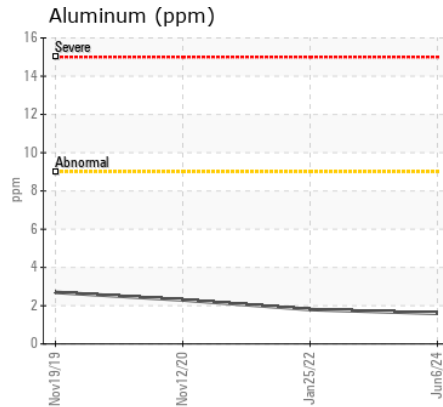
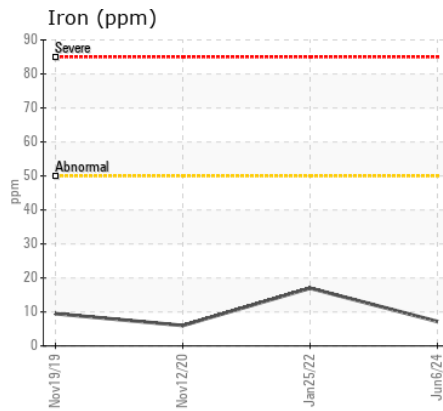
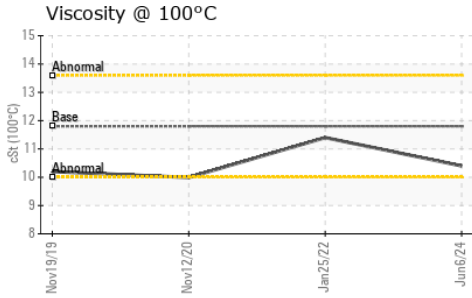
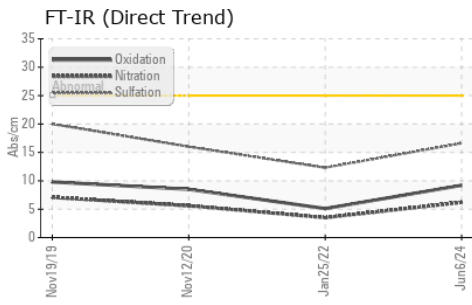
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	11	19	26
Potassium	ppm	ASTM D5185(m)	>20	1	0	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	6.2	3.5	5.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	16.6	12.3	16.0
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		2	2	2
Boron	ppm	ASTM D5185(m)		117	41	139
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		54	24	70
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		407	92	253
Calcium	ppm	ASTM D5185(m)		1505	2159	1507
Phosphorus	ppm	ASTM D5185(m)		762	823	669
Zinc	ppm	ASTM D5185(m)		882	977	794
Sulfur	ppm	ASTM D5185(m)		2665	3060	3275
Oxidation	Abs/.1mm	ASTM D7414*	>25	9.2	5.1	8.5
Visc @ 100°C	cSt	ASTM D7279(m)	11.8	10.4	11.4	9.99



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0021455 **Received** : 11 Jun 2024
Lab Number : 02641054 **Tested** : 11 Jun 2024
Unique Number : 5798593 **Diagnosed** : 11 Jun 2024 - Wes Davis
Test Package : MOB 1

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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