



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

Machine Id  
**CHEVROLET KODIAC V77**  
 Component  
**Transmission (Manual)**  
 Fluid  
**GEAR OIL SAE 80W140 (--- QTS)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### WEAR

The aluminum level is abnormal. All other component wear rates are normal.

### CONTAMINATION

There is no indication of any contamination in the fluid.

### FLUID CONDITION

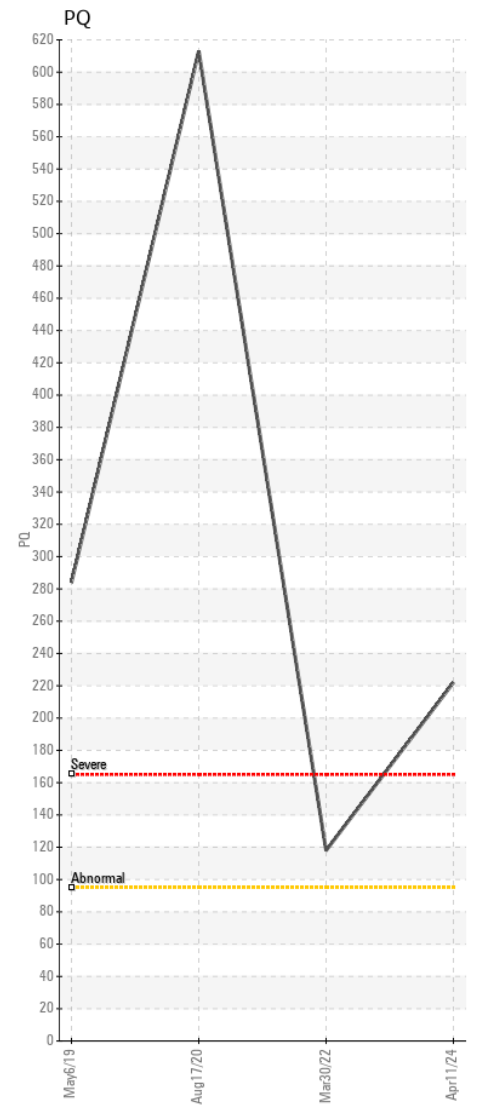
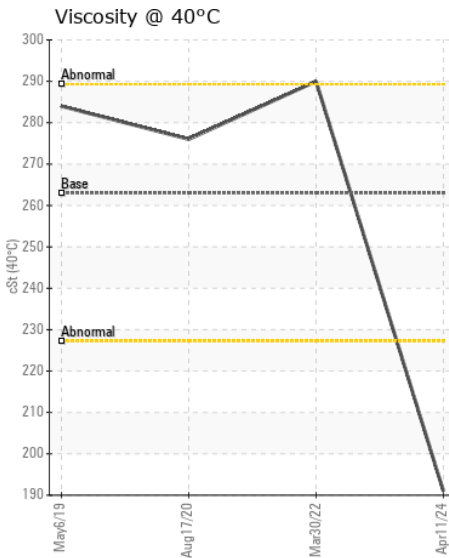
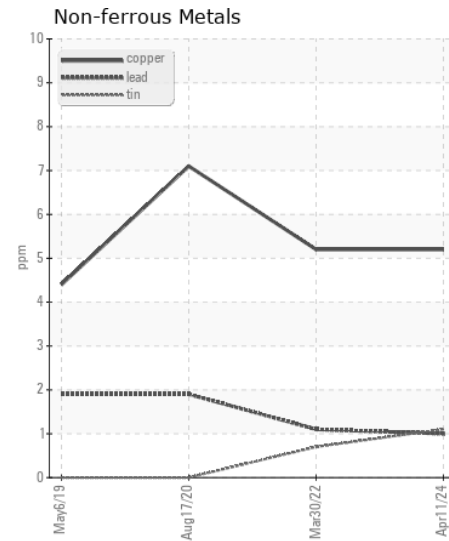
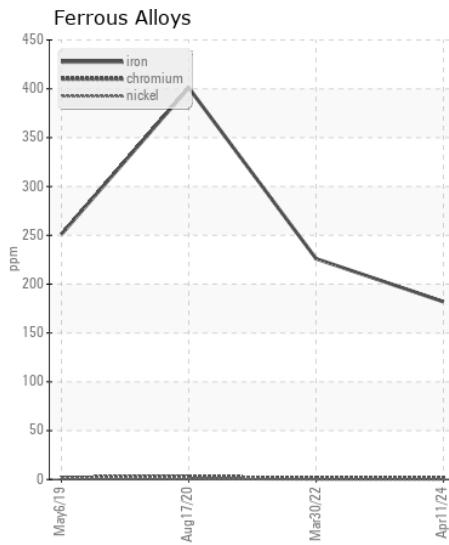
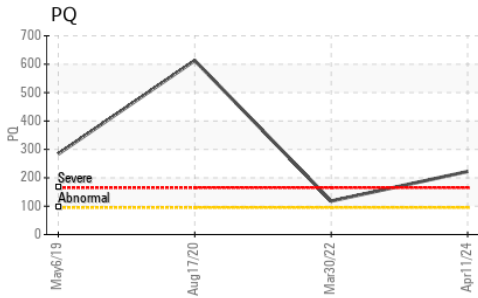
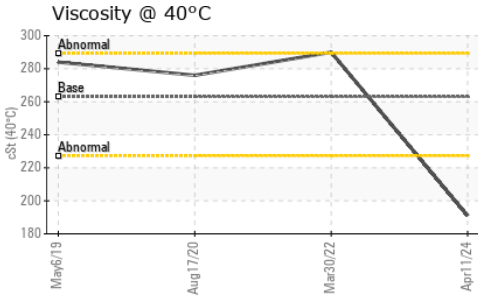
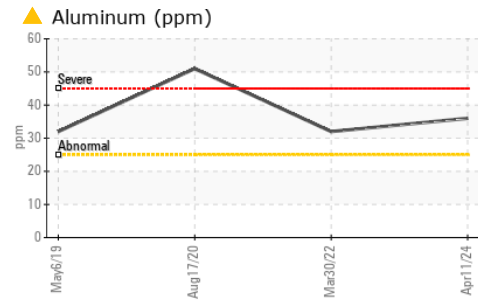
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0206202</b>	JR0115149	JRMC468834
Sample Date		Client Info		<b>11 Apr 2024</b>	30 Mar 2022	17 Aug 2020
Machine Age	hrs	Client Info		<b>7953</b>	7636	7383
Oil Age	hrs	Client Info		<b>1622</b>	253	1092
Filter Age	hrs	Client Info		<b>1622</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	N/A
Filter Changed		Client Info		<b>Changed</b>	N/A	Not Changed
Sample Status				<b>ABNORMAL</b>	ABNORMAL	SEVERE

PQ		ASTM D8184	>95	<b>222</b>	118	613
Iron	ppm	ASTM D5185m	>200	<b>182</b>	▲ 226	▲ 401
Chromium	ppm	ASTM D5185m	>5	<b>1</b>	1	3
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	1
Silver	ppm	ASTM D5185m	>7	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	▲ <b>36</b>	▲ 32	▲ 51
Lead	ppm	ASTM D5185m	>45	<b>1</b>	1	2
Copper	ppm	ASTM D5185m	>225	<b>5</b>	5	7
Tin	ppm	ASTM D5185m	>10	<b>1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER	▲ MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>125	<b>38</b>	41	62
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	3	16
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
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	>0.1	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>6</b>	5	14
Boron	ppm	ASTM D5185m	400	<b>274</b>	279	189
Barium	ppm	ASTM D5185m	200	<b>3</b>	0	5
Molybdenum	ppm	ASTM D5185m	12	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>5</b>	5	10
Magnesium	ppm	ASTM D5185m	12	<b>2</b>	9	1
Calcium	ppm	ASTM D5185m	150	<b>61</b>	20	15
Phosphorus	ppm	ASTM D5185m	1650	<b>1166</b>	914	916
Zinc	ppm	ASTM D5185m	125	<b>23</b>	13	27
Sulfur	ppm	ASTM D5185m	22500	<b>23779</b>	12896	14796
Visc @ 40°C	cSt	ASTM D445	263	<b>191</b>	290	276



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0206202 **Received** : 18 Apr 2024  
**Lab Number** : 06153345 **Tested** : 19 Apr 2024  
**Unique Number** : 10983423 **Diagnosed** : 22 Apr 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**MATTHEWS CONSTRUCTION**  
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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)