



TRAAP

Texas Refinery Advanced Analysis Program

# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**CHEVROLET WPK155**  
 Component  
**Gasoline Engine**  
 Fluid  
**SAE 5W30 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR02631585	---	---
Sample Date		Client Info		05 Apr 2024	---	---
Machine Age	kms	Client Info		273211	---	---
Oil Age	kms	Client Info		12046	---	---
Filter Age	kms	Client Info		12046	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>150	13	---	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---	---
Nickel	ppm	ASTM D5185(m)	>5	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>40	4	---	---
Lead	ppm	ASTM D5185(m)	>50	19	---	---
Copper	ppm	ASTM D5185(m)	>155	12	---	---
Tin	ppm	ASTM D5185(m)	>10	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

## CONTAMINATION

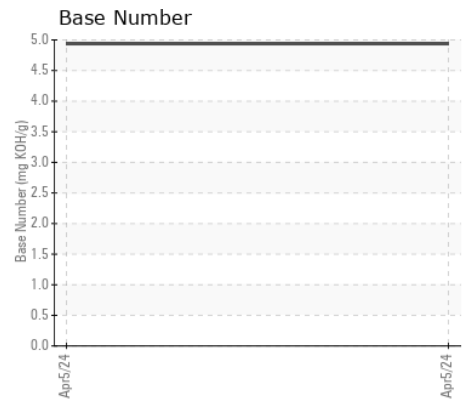
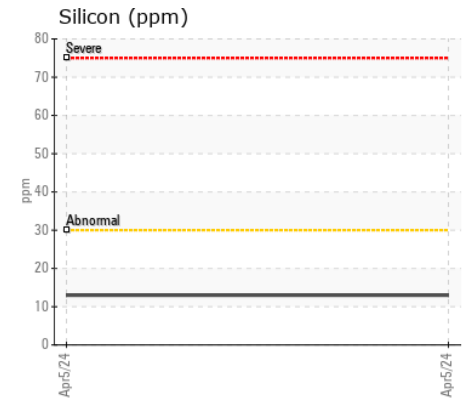
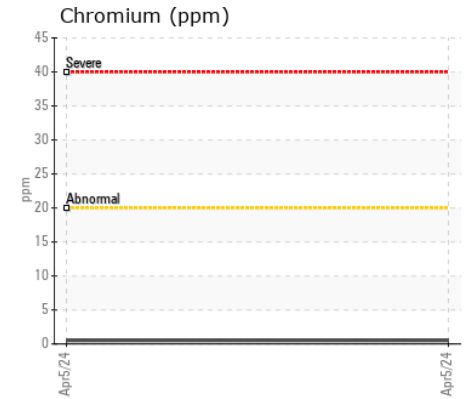
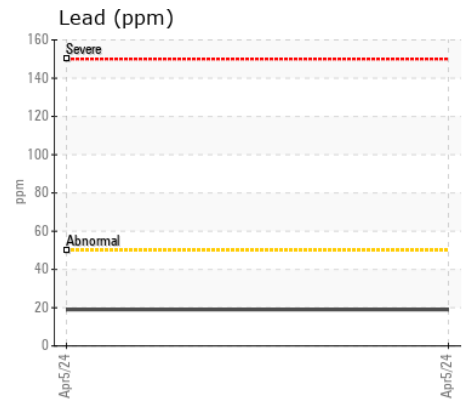
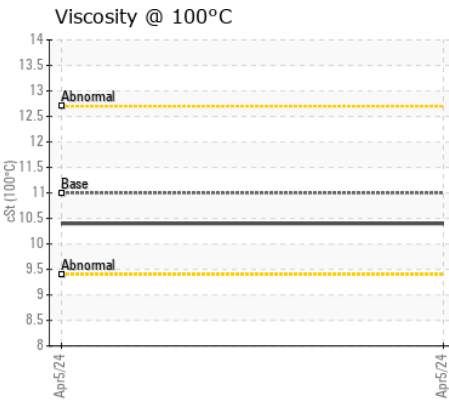
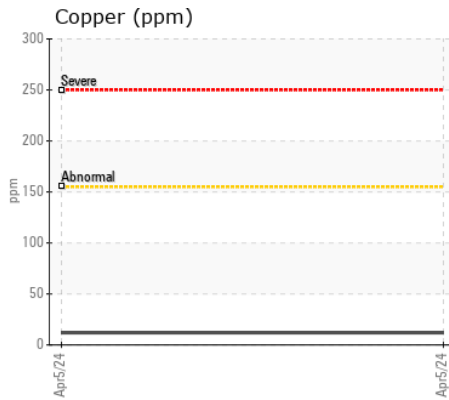
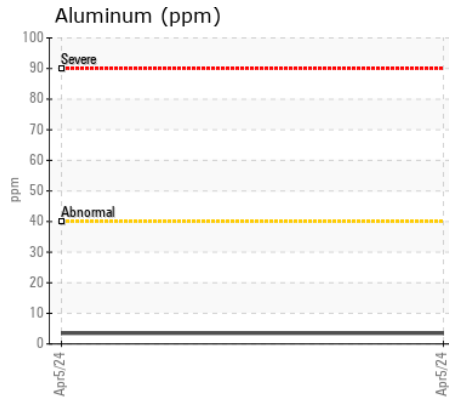
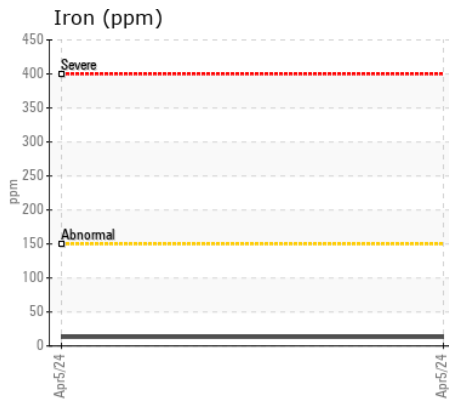
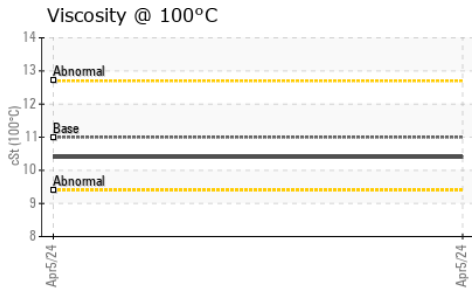
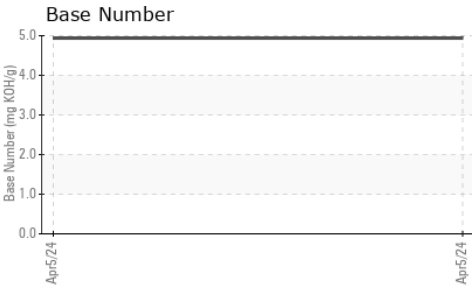
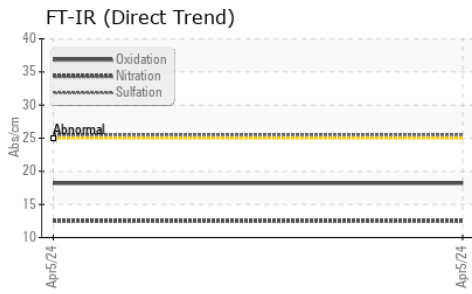
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	13	---	---
Potassium	ppm	ASTM D5185(m)	>20	1	---	---
Fuel		WC Method	>4.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	12.5	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.5	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>400	4	---	---
Boron	ppm	ASTM D5185(m)		33	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		107	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)		431	---	---
Calcium	ppm	ASTM D5185(m)		1515	---	---
Phosphorus	ppm	ASTM D5185(m)		638	---	---
Zinc	ppm	ASTM D5185(m)		748	---	---
Sulfur	ppm	ASTM D5185(m)		2221	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.2	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		4.94	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.0	10.4	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : TR02631585 **Received** : 26 Apr 2024  
**Lab Number** : 02631585 **Tested** : 26 Apr 2024  
**Unique Number** : 5772738 **Diagnosed** : 26 Apr 2024 - Wes Davis  
**Test Package** : MOB 2

**PAT LEITH**  
 1686 BADER CRESCENT  
 SASKATOON, SK  
 CA S7M 3V3  
 Contact: PAT

To discuss this sample report, contact Customer Service at 1-800-827-0711.

\* - 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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F: