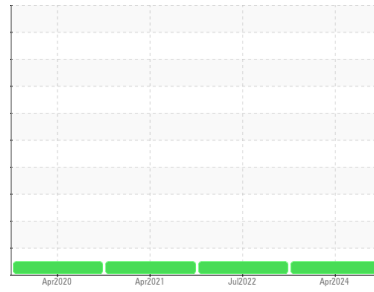


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**Chevrolet 002380**

Component  
**Gasoline Engine**

Fluid  
**PETRO CANADA DURON SHP 10W30 (6 QTS)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### 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.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0112478</b>	PCA0071380	PCA0013071
Sample Date	Client Info		<b>25 Apr 2024</b>	23 Jul 2022	26 Apr 2021
Machine Age	mls	Client Info	<b>43379</b>	37613	34387
Oil Age	mls	Client Info	<b>5766</b>	3226	1631
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >150	<b>15</b>	14	16
Chromium	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m >5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >40	<b>2</b>	2	2
Lead	ppm	ASTM D5185m >50	<b>1</b>	0	<1
Copper	ppm	ASTM D5185m >155	<b>23</b>	28	38
Tin	ppm	ASTM D5185m >10	<b>0</b>	<1	<1
Antimony	ppm	ASTM D5185m	<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	<b>&lt;1</b>	9	40
Barium	ppm	ASTM D5185m 0	<b>0</b>	2	0
Molybdenum	ppm	ASTM D5185m 50	<b>62</b>	50	13
Manganese	ppm	ASTM D5185m 0	<b>2</b>	<1	<1
Magnesium	ppm	ASTM D5185m 950	<b>961</b>	810	770
Calcium	ppm	ASTM D5185m 1050	<b>1138</b>	1022	1258
Phosphorus	ppm	ASTM D5185m 995	<b>956</b>	799	704
Zinc	ppm	ASTM D5185m 1180	<b>1274</b>	1087	854
Sulfur	ppm	ASTM D5185m 2600	<b>3310</b>	2815	2428

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >30	<b>9</b>	8	10
Sodium	ppm	ASTM D5185m >400	<b>4</b>	3	3
Potassium	ppm	ASTM D5185m >20	<b>2</b>	<1	1

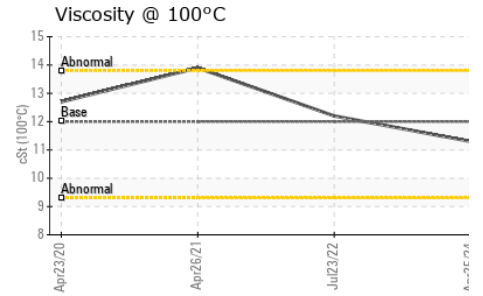
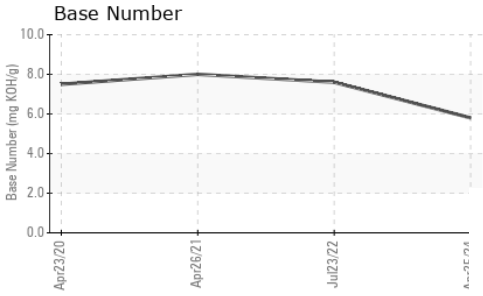
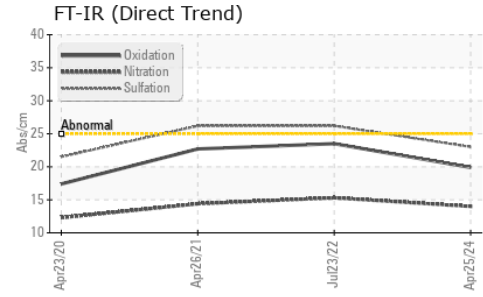
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	<b>0.1</b>	0.1	0.1
Nitration	Abs/cm	*ASTM D7624 >20	<b>14.0</b>	15.3	14.4
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>23.0</b>	26.2	26.2

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>19.9</b>	23.5	22.7
Base Number (BN)	mg KOH/g	ASTM D2896	<b>5.8</b>	7.6	8

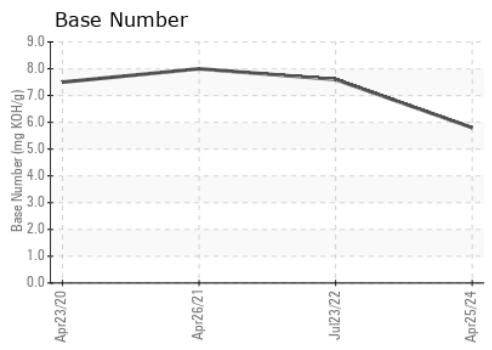
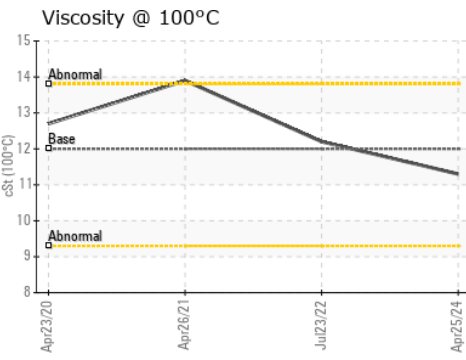
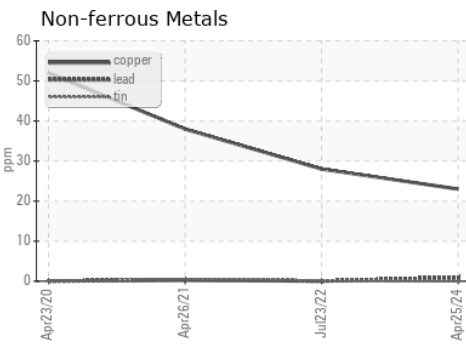
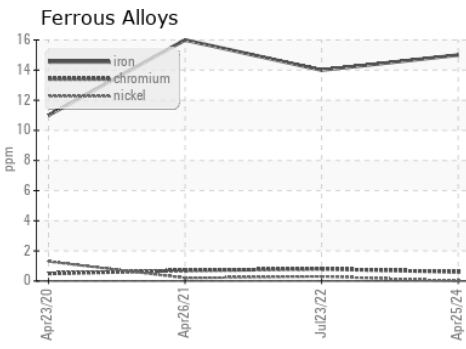
# OIL ANALYSIS REPORT



PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	11.3	12.2

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0112478      **Received** : 20 Jun 2024  
**Lab Number** : 06215305      **Tested** : 21 Jun 2024  
**Unique Number** : 11088169      **Diagnosed** : 21 Jun 2024 - Wes Davis  
**Test Package** : FLEET

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 4525 North Alby Road  
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 F:

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)