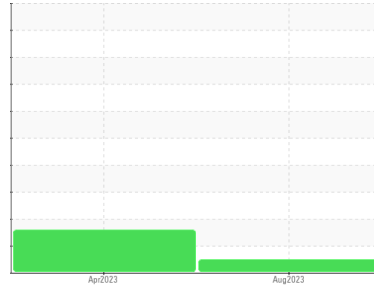




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
602205 - CHEVY 1500 PICKUP (S/N 1GCRDAEK5NZ588198)

Component
Gasoline Engine

Fluid
PETRO CANADA DURON ADVANCED 5W30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

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		SBP0004758	SBP0003740	---
Sample Date	Client Info		11 Aug 2023	21 Apr 2023	---
Machine Age	hrs	Client Info	539	216	---
Oil Age	hrs	Client Info	323	216	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			NORMAL	ABNORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>4.0	<1.0	<1.0	---
Glycol	WC Method		NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >150	18	25	---
Chromium	ppm	ASTM D5185m >20	<1	<1	---
Nickel	ppm	ASTM D5185m >5	0	<1	---
Titanium	ppm	ASTM D5185m	<1	<1	---
Silver	ppm	ASTM D5185m >2	0	0	---
Aluminum	ppm	ASTM D5185m >40	4	4	---
Lead	ppm	ASTM D5185m >50	<1	1	---
Copper	ppm	ASTM D5185m >155	11	27	---
Tin	ppm	ASTM D5185m >10	<1	1	---
Vanadium	ppm	ASTM D5185m	<1	<1	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	19	25	---
Barium	ppm	ASTM D5185m 0	0	0	---
Molybdenum	ppm	ASTM D5185m 43	94	166	---
Manganese	ppm	ASTM D5185m 0	<1	2	---
Magnesium	ppm	ASTM D5185m 920	643	484	---
Calcium	ppm	ASTM D5185m 1330	1601	1437	---
Phosphorus	ppm	ASTM D5185m 790	781	693	---
Zinc	ppm	ASTM D5185m 880	1018	915	---
Sulfur	ppm	ASTM D5185m 2200	3384	2189	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >30	47	▲ 136	---
Sodium	ppm	ASTM D5185m >400	3	6	---
Potassium	ppm	ASTM D5185m >20	7	4	---

INFRA-RED

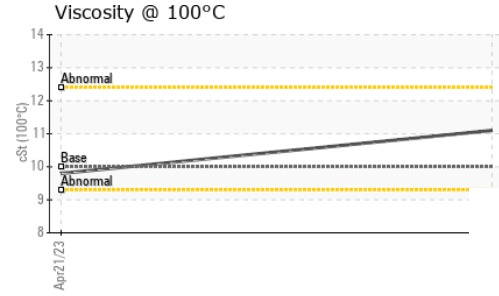
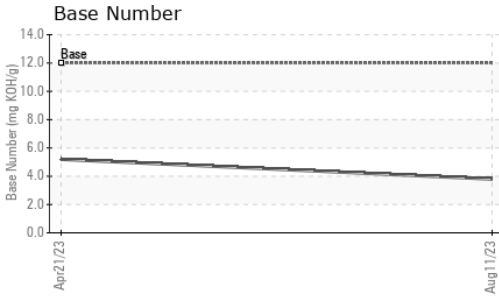
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	0.1	0	---
Nitration	Abs/cm	*ASTM D7624 >20	12.1	9.5	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	26.3	20.1	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	22.0	14.2	---
Base Number (BN)	mg KOH/g	ASTM D2896 12.0	3.8	5.2	---



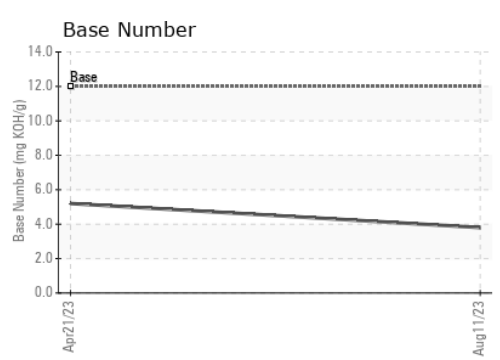
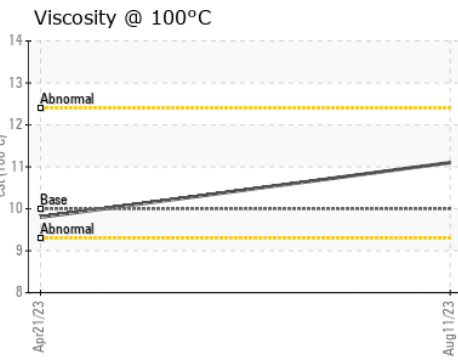
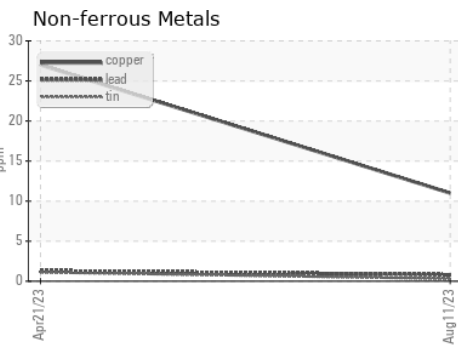
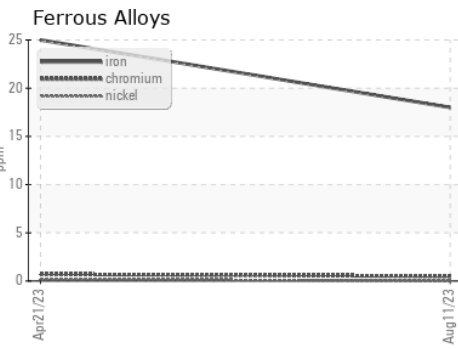
OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	10.0	11.1	9.8

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : SBP0004758 **Received** : 14 Aug 2023
Lab Number : 05924025 **Diagnosed** : 15 Aug 2023
Unique Number : 10603972 **Diagnostician** : Sean Felton
Test Package : FLEET

Constructors Inc. - 603659
 1815 Y Street
 Lincoln, NE
 US 68508
 Contact: Jack Linhart
 jackl@constructorslincoln.com
 T: (402)434-2157
 F:

Certificate L2367
 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)