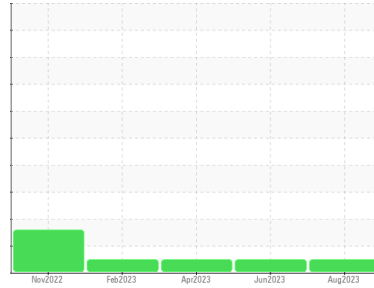




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
602207 CHEVY 2500 PICK UP (S/N 1GC5YLE7XNF216769)

Component
Gasoline Engine

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

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	SBP0004734	SBP0004511	SBP0003753	
Sample Date	Client Info	16 Aug 2023	22 Jun 2023	28 Apr 2023	
Machine Age	hrs	Client Info	1324	1086	835
Oil Age	hrs	Client Info	238	251	256
Oil Changed	Client Info	Changed	Changed	Changed	
Sample Status		NORMAL	NORMAL	NORMAL	

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >150	7	8	13
Chromium	ppm	ASTM D5185m >20	<1	0	<1
Nickel	ppm	ASTM D5185m >5	<1	0	0
Titanium	ppm	ASTM D5185m	<1	0	<1
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >40	3	4	5
Lead	ppm	ASTM D5185m >50	0	0	0
Copper	ppm	ASTM D5185m >155	1	1	3
Tin	ppm	ASTM D5185m >10	1	<1	1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 0	21	30	53
Barium	ppm	ASTM D5185m 0	0	4	0
Molybdenum	ppm	ASTM D5185m 43	68	62	73
Manganese	ppm	ASTM D5185m 0	<1	0	<1
Magnesium	ppm	ASTM D5185m 920	473	432	554
Calcium	ppm	ASTM D5185m 1330	1198	1062	1306
Phosphorus	ppm	ASTM D5185m 790	633	567	689
Zinc	ppm	ASTM D5185m 880	766	698	837
Sulfur	ppm	ASTM D5185m 2200	2648	2752	3158

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >30	12	11	11
Sodium	ppm	ASTM D5185m >400	1	2	<1
Potassium	ppm	ASTM D5185m >20	2	2	3

INFRA-RED

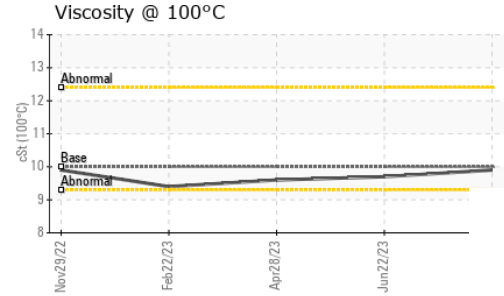
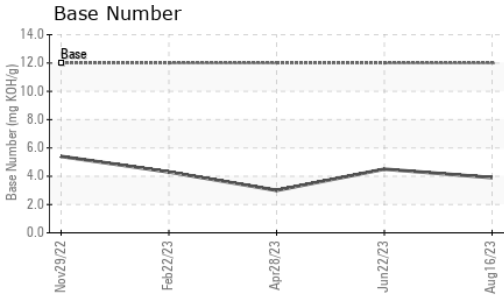
method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	0	0.1	0
Nitration	Abs/cm	*ASTM D7624 >20	10.0	10.2	9.3
Sulfation	Abs/.1mm	*ASTM D7415 >30	22.7	23.7	20.1

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414 >25	17.2	19.3	15.2
Base Number (BN)	mg KOH/g	ASTM D2896 12.0	3.9	4.5	3.0



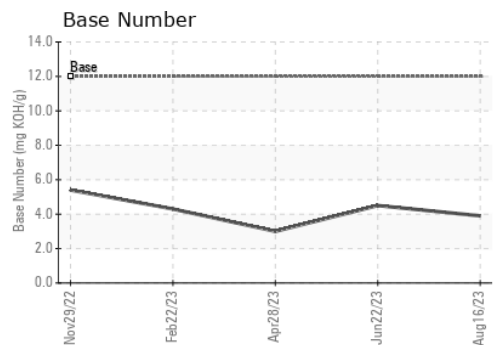
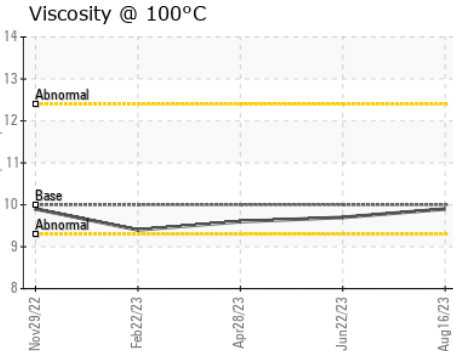
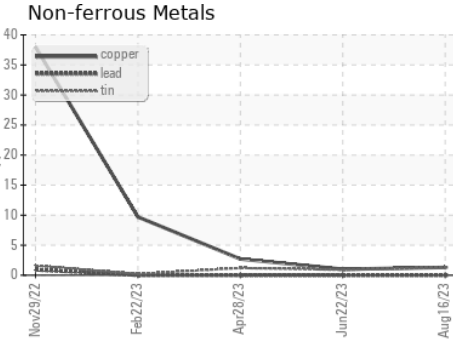
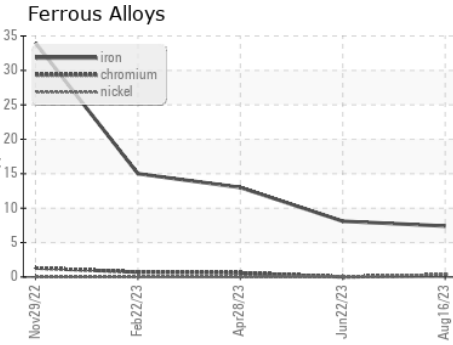
OIL ANALYSIS REPORT



VISUAL	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	10.0	9.9	9.7	9.6

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : SBP0004734 **Received** : 21 Aug 2023
Lab Number : **05929344** **Diagnosed** : 22 Aug 2023
Unique Number : 10609291 **Diagnostician** : Angela Borella
Test Package : FLEET

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