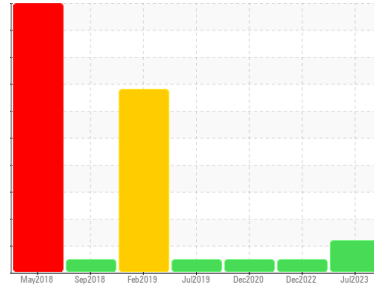




PROBLEM SUMMARY

Area
CONSTRUCTORS, INC
 Machine Id
CHEVROLET GASOLINE 030344
 Component
Gasoline Engine
 Fluid
MOBIL DELVAC 1300 SUPER 10W30 (--- GAL)

Sample Rating Trend



DEGRADATION



COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				MARGINAL	NORMAL	NORMAL
Base Number (BN)	mg KOH/g	ASTM D2896	10.5	▲ 2.5	3.6	---

Customer Id: CONLINNE
Sample No.: SBP0004526
Lab Number: 05900663
Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

HISTORICAL DIAGNOSIS

08 Dec 2022 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

[view report](#)



23 Dec 2020 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

[view report](#)



19 Jul 2019 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

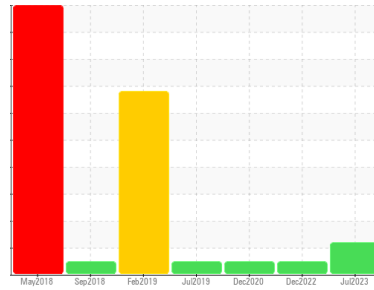
[view report](#)





OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION



Area
CONSTRUCTORS, INC
 Machine Id
CHEVROLET GASOLINE 030344
 Component
Gasoline Engine
 Fluid
MOBIL DELVAC 1300 SUPER 10W30 (--- GAL)

DIAGNOSIS

▲ Recommendation

Oil and filter change at the time of sampling has been noted. 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 level is low.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		SBP0004526	SBP0002295	SBP63301013
Sample Date	Client Info		07 Jul 2023	08 Dec 2022	23 Dec 2020
Machine Age	hrs	Client Info	4233	3390	2646
Oil Age	hrs	Client Info	293	404	330
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			MARGINAL	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	0.0

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >150	51	63	64
Chromium	ppm	ASTM D5185m >20	3	4	4
Nickel	ppm	ASTM D5185m >5	2	1	1
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >40	8	12	11
Lead	ppm	ASTM D5185m >50	0	<1	0
Copper	ppm	ASTM D5185m >155	24	28	37
Tin	ppm	ASTM D5185m >10	<1	<1	0
Vanadium	ppm	ASTM D5185m	<1	<1	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	24	15	17
Barium	ppm	ASTM D5185m	1	0	1
Molybdenum	ppm	ASTM D5185m	72	74	150
Manganese	ppm	ASTM D5185m	<1	<1	0
Magnesium	ppm	ASTM D5185m	528	522	570
Calcium	ppm	ASTM D5185m	1248	1246	1236
Phosphorus	ppm	ASTM D5185m	657	670	701
Zinc	ppm	ASTM D5185m	822	806	866
Sulfur	ppm	ASTM D5185m	3112	3009	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >30	17	19	16
Sodium	ppm	ASTM D5185m >400	4	2	4
Potassium	ppm	ASTM D5185m >20	5	<1	3
Chlorine	ppm	ASTM D5185m	---	---	0

INFRA-RED

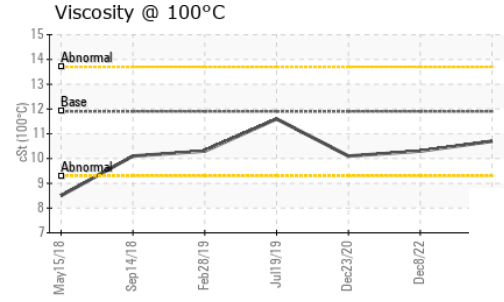
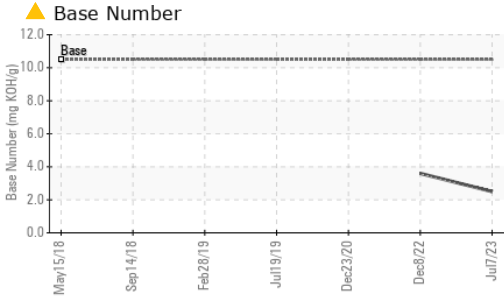
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	0.1	0.1	0.04
Nitration	Abs/cm	*ASTM D7624 >20	14.5	14.7	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	28.4	29.9	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	27.9	26.5	7
Base Number (BN)	mg KOH/g	ASTM D2896 10.5	▲ 2.5	3.6	---



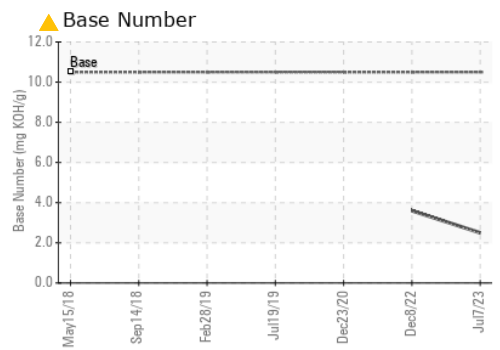
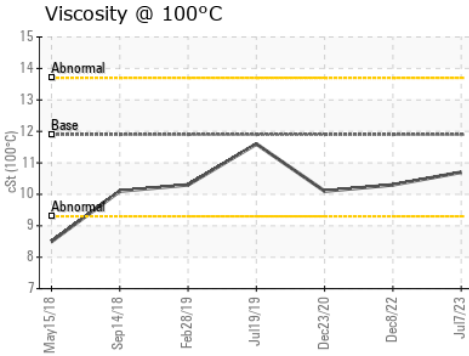
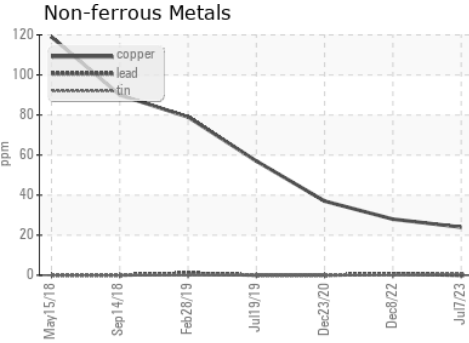
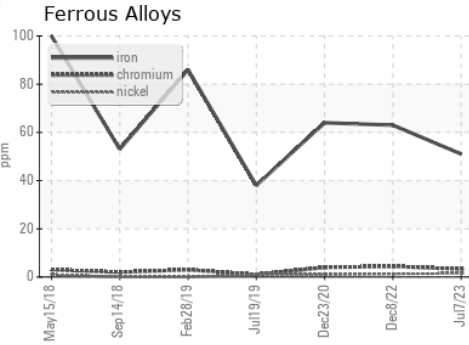
OIL ANALYSIS REPORT



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	11.9	10.7	10.3

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : SBP0004526 **Received** : 17 Jul 2023
Lab Number : 05900663 **Diagnosed** : 19 Jul 2023
Unique Number : 10562019 **Diagnostician** : Doug Bogart
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)