



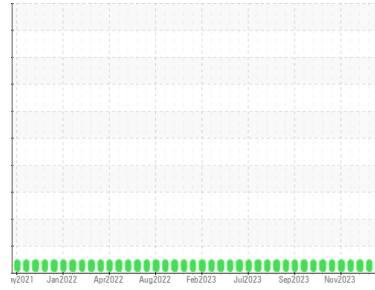
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
Byron Center New Oil Byron Center New Oil
 Component
New (Unused) Oil
 Fluid
CHEVRON HDAX 9500 GAS ENGINE OIL 40 (--- GAL)



DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0877014	WC0877033	WC0877026
Sample Date	Client Info		25 Jan 2024	08 Jan 2024	20 Dec 2023
Machine Age	hrs	Client Info	1	1	1
Oil Age	hrs	Client Info	1	1	1
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >5	0	0	0
Chromium	ppm	ASTM D5185m >5	<1	0	0
Nickel	ppm	ASTM D5185m >5	0	0	0
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m >5	0	0	0
Aluminum	ppm	ASTM D5185m >5	1	2	<1
Lead	ppm	ASTM D5185m >5	<1	2	0
Copper	ppm	ASTM D5185m >5	0	<1	0
Tin	ppm	ASTM D5185m >5	<1	1	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	10	2	2
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	5	<1	<1
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	30	10	8
Calcium	ppm	ASTM D5185m	1645	1602	1613
Phosphorus	ppm	ASTM D5185m	301	264	292
Zinc	ppm	ASTM D5185m	350	307	294
Sulfur	ppm	ASTM D5185m	1632	1473	1376

CONTAMINANTS

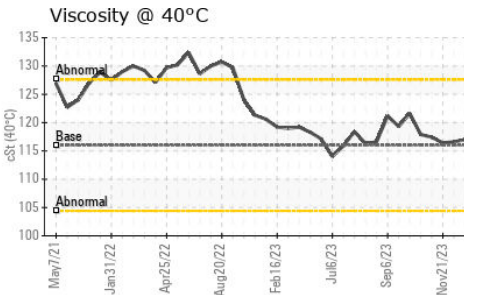
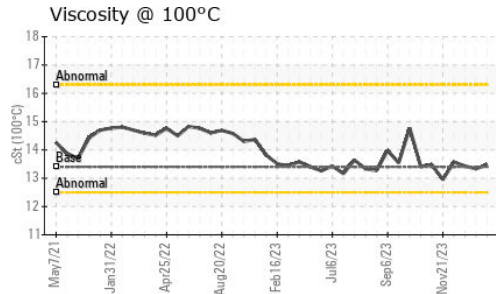
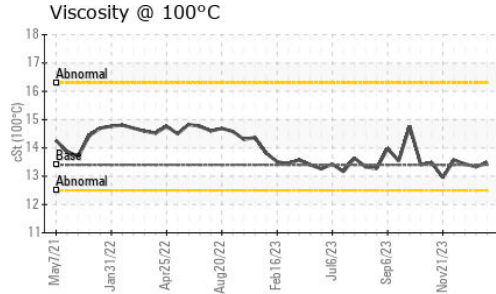
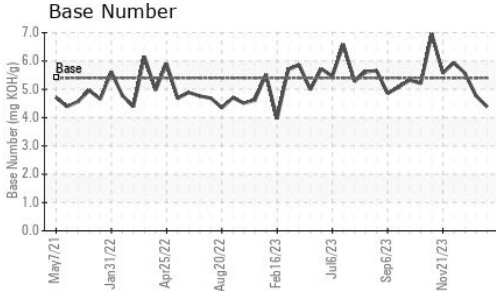
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	4	6	6
Sodium	ppm	ASTM D5185m	<1	<1	0
Potassium	ppm	ASTM D5185m >20	<1	2	<1

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 1.1	1.53	0.35	0.535
Base Number (BN)	mg KOH/g	ASTM D2896 5.4	4.38	4.77	5.57



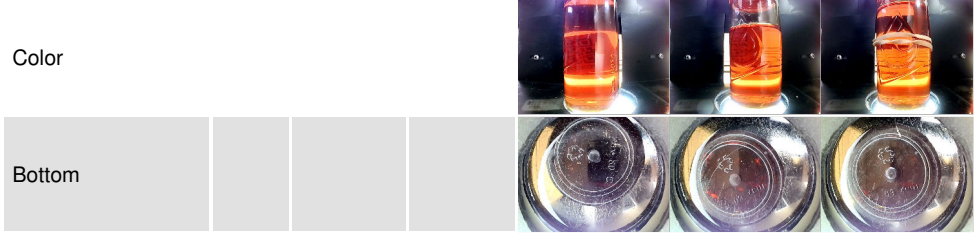
OIL ANALYSIS REPORT



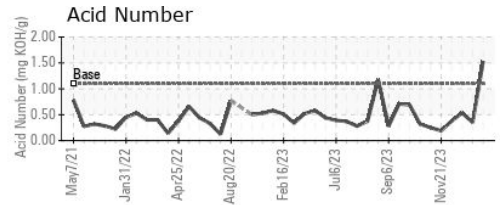
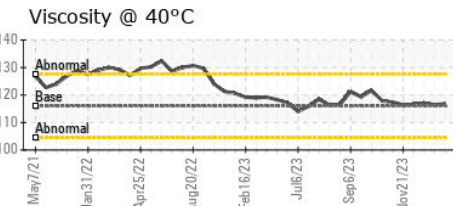
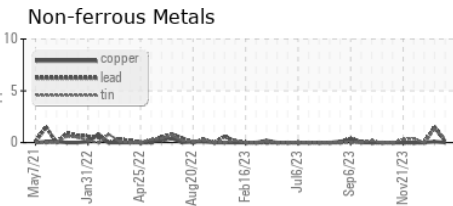
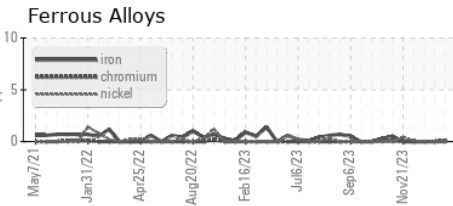
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	116	116.5	117.0
Visc @ 100°C	cSt	ASTM D445	13.4	13.33	13.43
Viscosity Index (VI)	Scale	ASTM D2270	113	110	110

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : WC0877014 Recieved : 30 Jan 2024
 Lab Number : 06075257 Diagnosed : 02 Feb 2024
 Unique Number : 10857348 Diagnostician : Jonathan Hester
 Test Package : MOB 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TBN, VI)

EDL NA Recips-Byron Center
 Byron Center Powerstation, 10310 South Kent Road
 Byron Center, MI
 US 49315
 Contact: Jake Ripke
 Jake.Ripke@edlenergy.com

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)

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F: