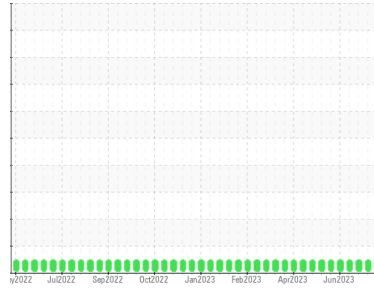




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**Grand Blanc New Oil Grand Blanc New Oil**  
 Component  
**New (Unused) Oil**  
 Fluid  
**CHEVRON HDAX 6500 LFG GAS ENGINE OIL (--- GAL)**

## DIAGNOSIS

### Recommendation

This is a baseline read-out on the submitted sample. ( Customer Sample Comment: New Oil Sample )

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0824996</b>	WC0824950	WC0795407
Sample Date	Client Info			<b>13 Jul 2023</b>	05 Jul 2023	29 Jun 2023
Machine Age	hrs Client Info			<b>1</b>	1	1
Oil Age	hrs Client Info			<b>1</b>	1	1
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>5	<b>0</b>	<1	2
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	2
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	2
Silver	ppm	ASTM D5185m	>5	<b>0</b>	<1	2
Aluminum	ppm	ASTM D5185m	>5	<b>&lt;1</b>	3	2
Lead	ppm	ASTM D5185m	>5	<b>0</b>	<1	4
Copper	ppm	ASTM D5185m	>5	<b>0</b>	0	2
Tin	ppm	ASTM D5185m	>5	<b>0</b>	<1	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	1
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	2

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>1</b>	1	<1
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>2</b>	2	3
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185m		<b>12</b>	12	2
Calcium	ppm	ASTM D5185m		<b>1708</b>	1794	1608
Phosphorus	ppm	ASTM D5185m		<b>250</b>	275	225
Zinc	ppm	ASTM D5185m		<b>291</b>	317	256
Sulfur	ppm	ASTM D5185m		<b>1728</b>	2243	1583

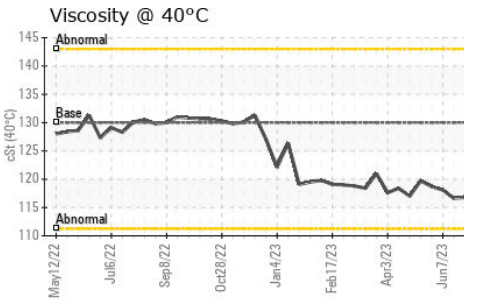
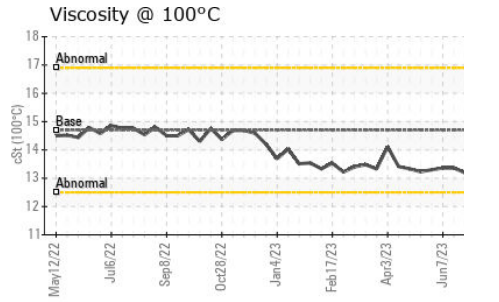
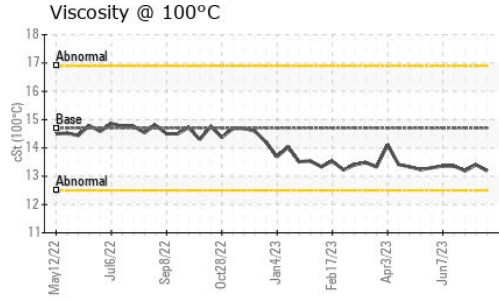
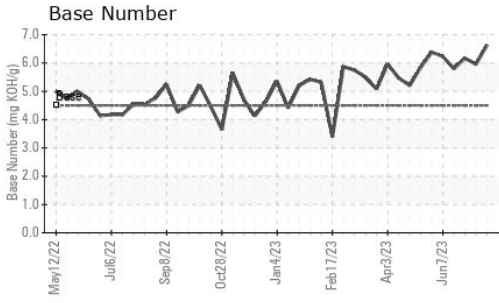
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<b>8</b>	9	9
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	0	3
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	5

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.2	<b>0.48</b>	0.38	0.56
Base Number (BN)	mg KOH/g	ASTM D2896	4.5	<b>6.64</b>	5.95	6.17

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

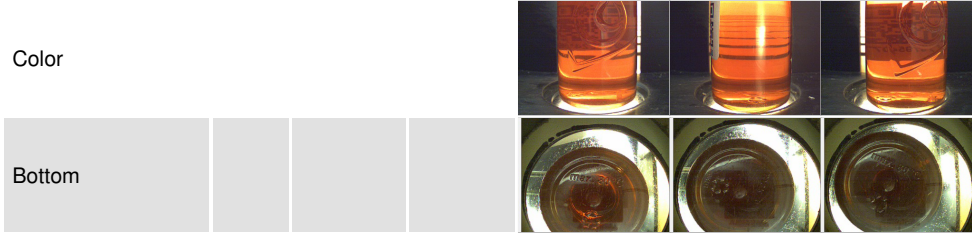


# OIL ANALYSIS REPORT

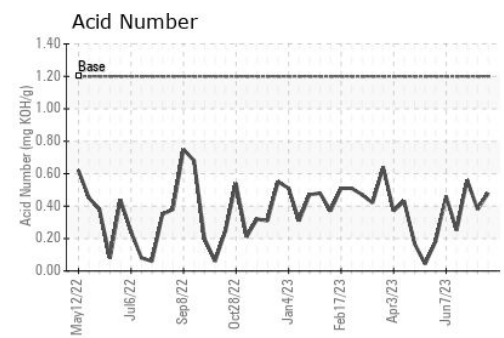
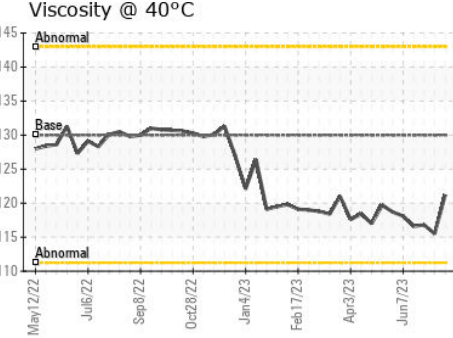
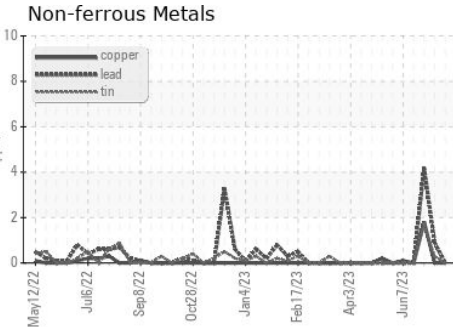
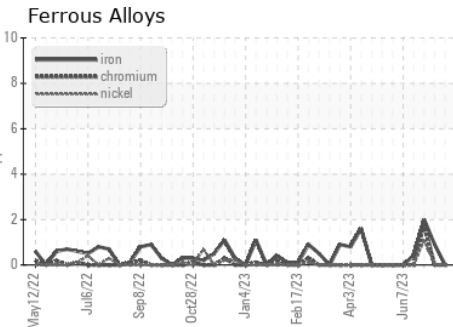


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	130	<b>121.2</b>	115.5	116.8
Visc @ 100°C	cSt	ASTM D445	14.7	<b>13.19</b>	13.4	13.19
Viscosity Index (VI)	Scale	ASTM D2270	114	<b>102</b>	112	107

SAMPLE IMAGES		method	limit/base	current	history1	history2
---------------	--	--------	------------	---------	----------	----------



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0824996 **Received** : 17 Jul 2023  
**Lab Number** : **05900358** **Diagnosed** : 24 Jul 2023  
**Unique Number** : 10561714 **Diagnostician** : Jonathan Hester  
**Test Package** : MOB 2 ( Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PrtCount, TBN, VI )  
 Contact: Tony Saint Marie  
 tony.saintmarie@edlenergy.com  
 T:  
 F:

**EDL NA Recips-Grand Blanc**  
 Grand Blanc Powerstation, 2361 West Grand Blanc Road  
 Grand Blanc, MI  
 US 48439

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)