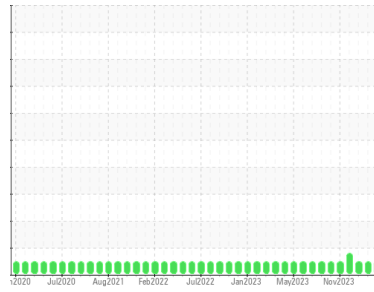




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**GAS**  
 Machine Id  
**K-4300B (S/N B AIR COMPRESSOR)**  
 Component  
**Air Compressor**  
 Fluid  
**CHEVRON GST OIL ISO 68 (18 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 fluid. The amount and size of particulates present in the system are acceptable.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>HLC0003222</b>	HLC0003132	HLC0003128
Sample Date	Client Info	<b>01 Apr 2024</b>	07 Feb 2024	07 Jan 2024
Machine Age	hrs Client Info	<b>0</b>	0	30455
Oil Age	hrs Client Info	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.6	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >50	<b>1</b>	0	<1
Chromium	ppm ASTM D5185m >4	<b>&lt;1</b>	0	0
Nickel	ppm ASTM D5185m >4	<b>&lt;1</b>	0	0
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >10	<b>1</b>	0	0
Lead	ppm ASTM D5185m >20	<b>1</b>	0	0
Copper	ppm ASTM D5185m >40	<b>&lt;1</b>	0	<1
Tin	ppm ASTM D5185m >5	<b>1</b>	2	0
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>0</b>	0	12
Barium	ppm ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>&lt;1</b>	0	2
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Magnesium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Calcium	ppm ASTM D5185m	<b>3</b>	<1	28
Phosphorus	ppm ASTM D5185m	<b>27</b>	16	32
Zinc	ppm ASTM D5185m	<b>0</b>	0	16
Sulfur	ppm ASTM D5185m	<b>835</b>	667	832

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	<b>&lt;1</b>	0	<1
Sodium	ppm ASTM D5185m	<b>0</b>	0	<1
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	0	0

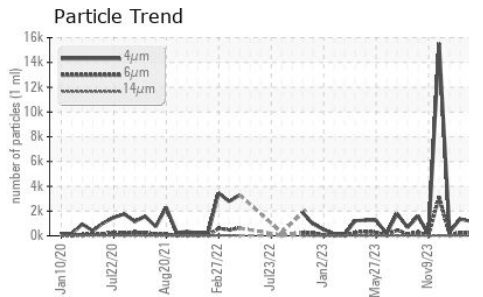
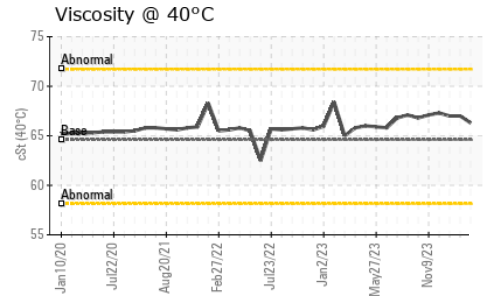
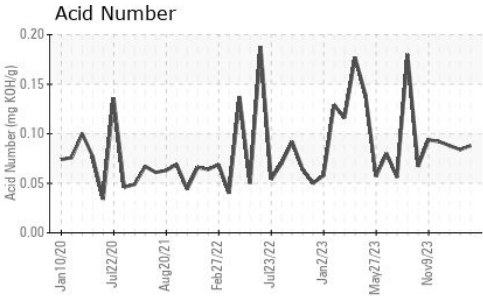
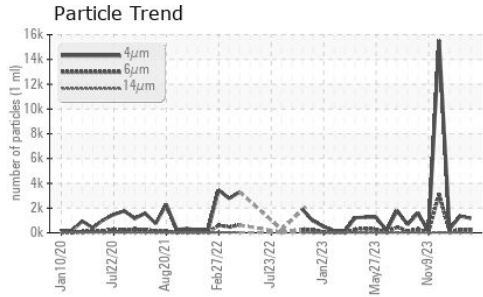
## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	<b>1170</b>	1352	305
Particles >6µm	ASTM D7647 >2500	<b>263</b>	257	93
Particles >14µm	ASTM D7647 >320	<b>14</b>	25	16
Particles >21µm	ASTM D7647 >80	<b>4</b>	7	5
Particles >38µm	ASTM D7647 >20	<b>1</b>	0	1
Particles >71µm	ASTM D7647 >4	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c) >--/18/15	<b>17/15/11</b>	18/15/12	15/14/11

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	<b>0.088</b>	0.084	0.088

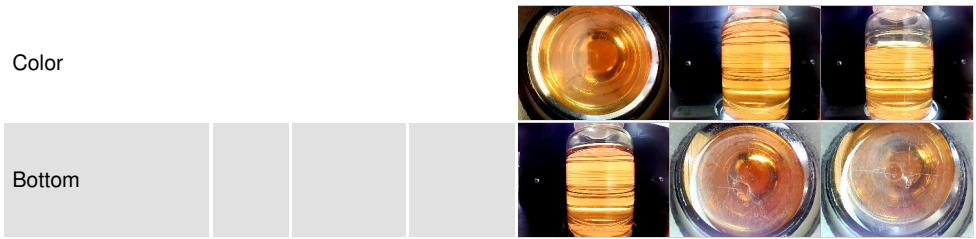
# OIL ANALYSIS REPORT



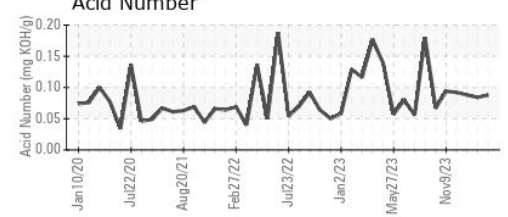
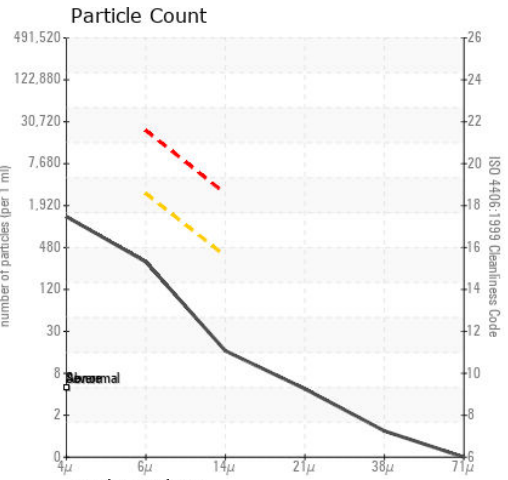
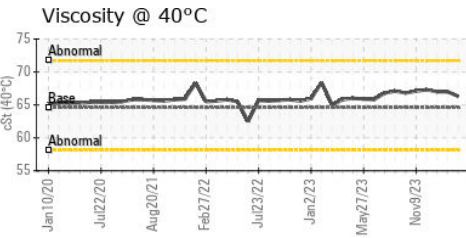
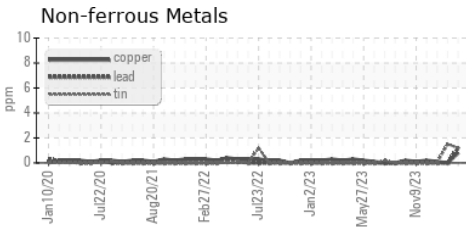
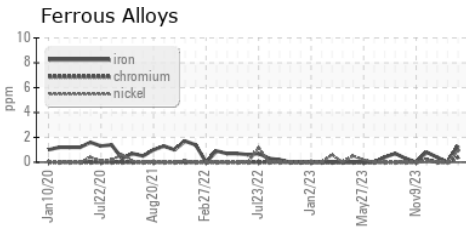
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.6	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	64.6	66.3	67.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : HLC0003222      **Received** : 11 Apr 2024  
**Lab Number** : 06146553      **Tested** : 12 Apr 2024  
**Unique Number** : 10976631      **Diagnosed** : 15 Apr 2024 - Angela Borella  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

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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)