



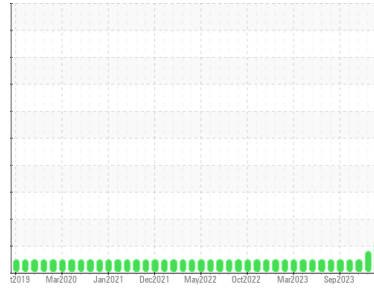
OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Area
GAS
 Machine Id
K-4300C (S/N C AIR COMPRESSOR)
 Component
Air Compressor
 Fluid
CHEVRON GST OIL ISO 68 (18 GAL)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	HLC0003134	HLC0002853	HLC0002485
Sample Date	Client Info	07 Jan 2024	03 Dec 2023	09 Nov 2023
Machine Age	hrs	0	2405	2257
Oil Age	hrs	2578	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	ATTENTION	NORMAL

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >50	0	0	0
Chromium	ppm ASTM D5185m >4	0	<1	0
Nickel	ppm ASTM D5185m >4	0	0	0
Titanium	ppm ASTM D5185m	0	<1	0
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >10	0	1	0
Lead	ppm ASTM D5185m >20	0	0	0
Copper	ppm ASTM D5185m >40	0	0	0
Tin	ppm ASTM D5185m >5	0	0	0
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	0	0
Barium	ppm ASTM D5185m	0	0	0
Molybdenum	ppm ASTM D5185m	0	<1	0
Manganese	ppm ASTM D5185m	0	0	0
Magnesium	ppm ASTM D5185m	0	0	0
Calcium	ppm ASTM D5185m	0	0	0
Phosphorus	ppm ASTM D5185m	0	0	0
Zinc	ppm ASTM D5185m	0	0	0
Sulfur	ppm ASTM D5185m	819	816	715

CONTAMINANTS

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

FLUID CLEANLINESS

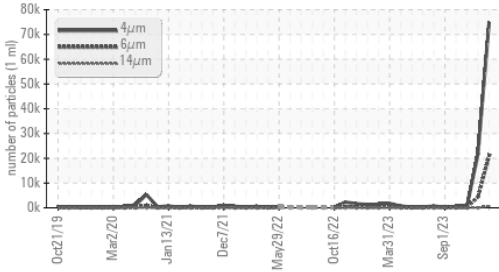
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	74887	21873	605
Particles >6µm	ASTM D7647 >2500	▲ 20757	▲ 4412	151
Particles >14µm	ASTM D7647 >320	▲ 628	40	18
Particles >21µm	ASTM D7647 >80	86	8	5
Particles >38µm	ASTM D7647 >20	1	0	0
Particles >71µm	ASTM D7647 >4	0	0	0
Oil Cleanliness	ISO 4406 (c) >--/18/15	▲ 23/22/16	▲ 22/19/12	16/14/11

FLUID DEGRADATION

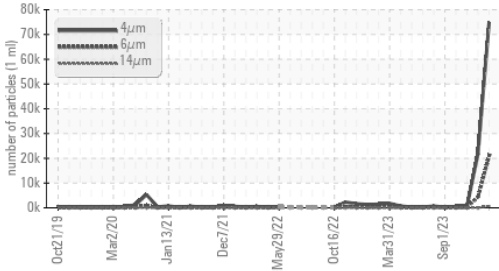
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.086	0.067	0.089

OIL ANALYSIS REPORT

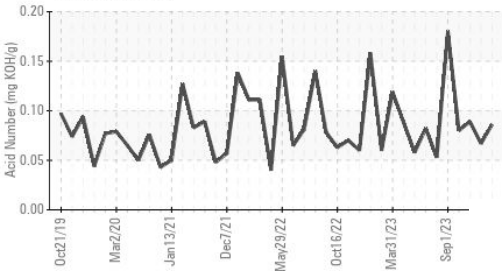
▲ Particle Trend



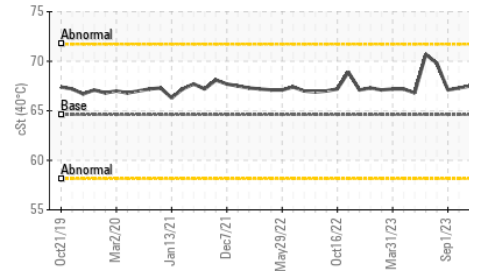
▲ Particle Trend



Acid Number



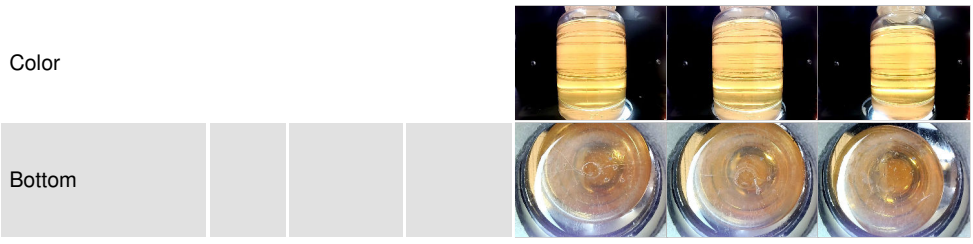
Viscosity @ 40°C



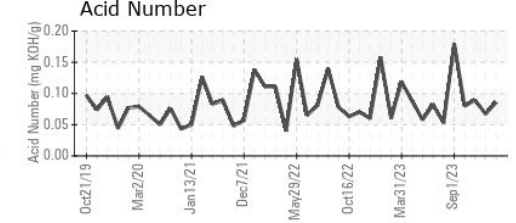
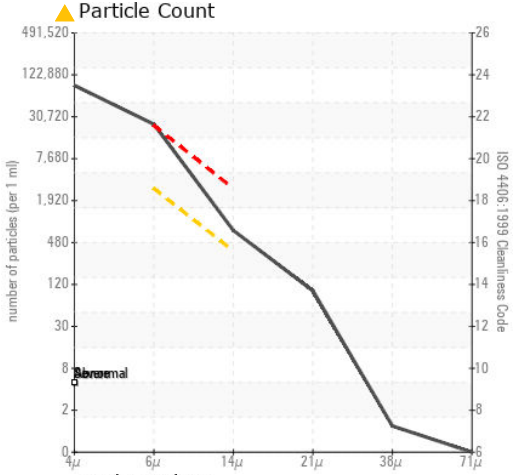
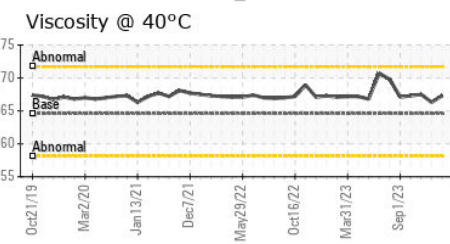
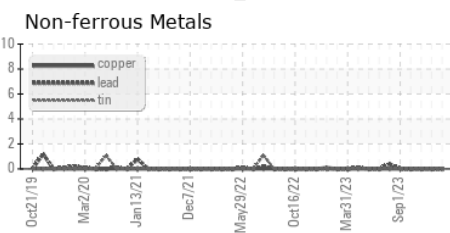
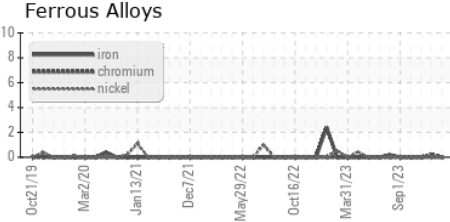
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	67.3	66.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : HLC0003134 **Received** : 16 Jan 2024
Lab Number : 06061013 **Diagnosed** : 18 Jan 2024
Unique Number : 10832395 **Diagnostician** : Angela Borella
Test Package : IND 2 (Additional Tests: PrtCount)

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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)