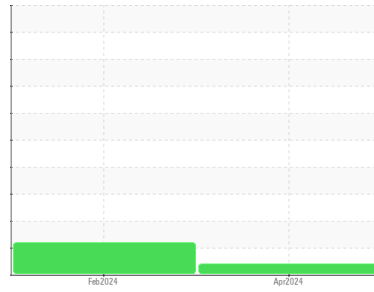




OIL ANALYSIS REPORT

Sample Rating Trend



VIS DEBRIS



Machine Id
C2102A (S/N 970229A)
 Component
Compressor
 Fluid
CHEVRON CETUS PAO ISO 100 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	USP0006371	USP0007560	---
Sample Date	Client Info	15 Apr 2024	22 Feb 2024	---
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	---
Sample Status		ABNORMAL	ATTENTION	---

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	12	12
Chromium	ppm	ASTM D5185m	>10	<1	<1
Nickel	ppm	ASTM D5185m		2	3
Titanium	ppm	ASTM D5185m		<1	<1
Silver	ppm	ASTM D5185m		0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1
Lead	ppm	ASTM D5185m	>25	0	0
Copper	ppm	ASTM D5185m	>50	3	3
Tin	ppm	ASTM D5185m	>15	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0
Cadmium	ppm	ASTM D5185m		<1	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		0	<1
Barium	ppm	ASTM D5185m		<1	0
Molybdenum	ppm	ASTM D5185m		<1	<1
Manganese	ppm	ASTM D5185m		0	<1
Magnesium	ppm	ASTM D5185m		<1	0
Calcium	ppm	ASTM D5185m		<1	0
Phosphorus	ppm	ASTM D5185m		440	441
Zinc	ppm	ASTM D5185m		<1	0
Sulfur	ppm	ASTM D5185m		2074	2117

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	22	17
Sodium	ppm	ASTM D5185m		<1	0
Potassium	ppm	ASTM D5185m	>20	1	<1
Water	%	ASTM D6304	>0.1	0.001	0.001
ppm Water	ppm	ASTM D6304	>1000	8	6

FLUID CLEANLINESS

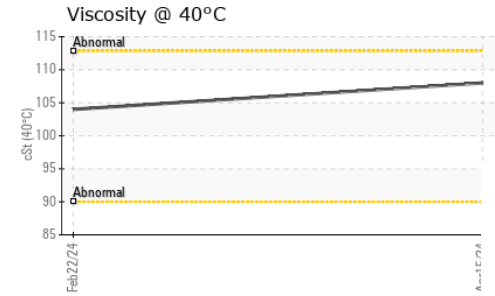
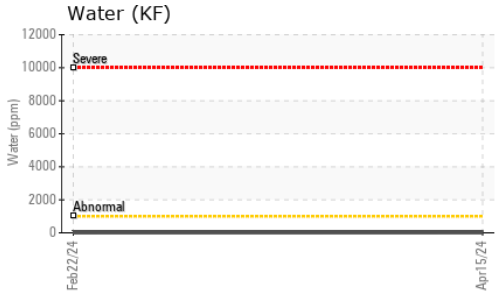
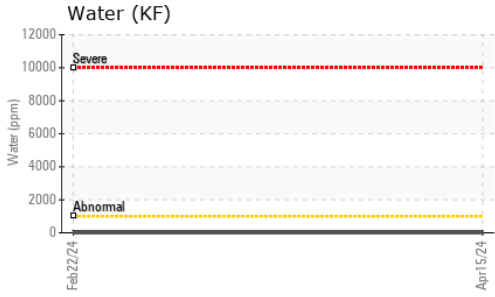
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	---	● 17565
Particles >6µm	ASTM D7647	>2500	---	● 3620
Particles >14µm	ASTM D7647	>320	---	208
Particles >21µm	ASTM D7647	>80	---	58
Particles >38µm	ASTM D7647	>20	---	3
Particles >71µm	ASTM D7647	>4	---	0
Oil Cleanliness	ISO 4406 (c)	>20/18/15	---	● 21/19/15

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		0.179	0.129



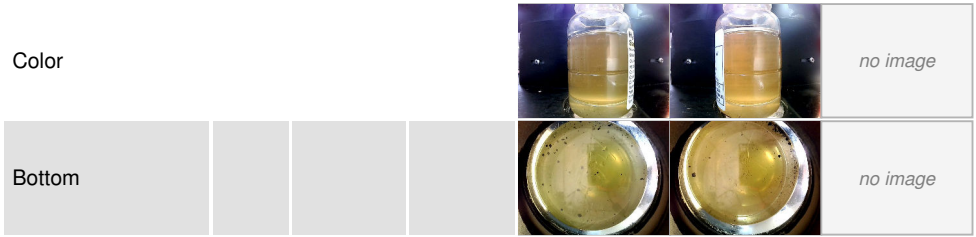
OIL ANALYSIS REPORT



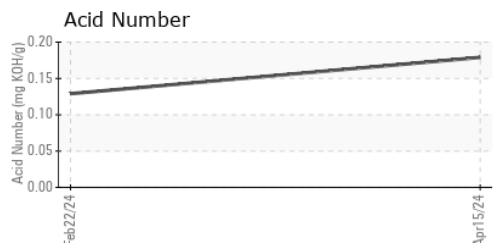
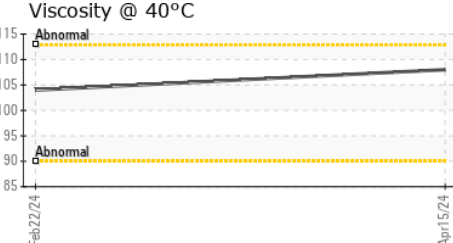
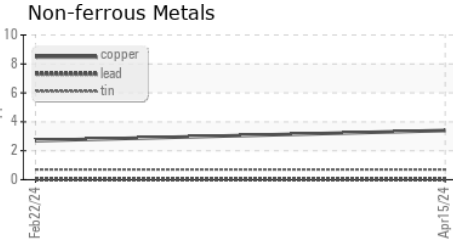
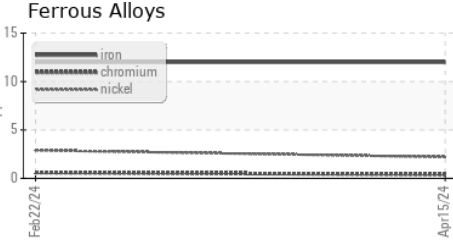
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	108	104	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP0006371 **Received** : 22 Apr 2024
Lab Number : 06156023 **Tested** : 24 Apr 2024
Unique Number : 10991446 **Diagnosed** : 24 Apr 2024 - Jonathan Hester
Test Package : IND 2

REC SILICON MATERIALS
 119140 RICK JONES WAY
 SILVER BOW, MT
 US 59750
 Contact: Service Manager

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)