



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
C-15 HSSC15 (S/N W1811)
 Component
Compressor
 Fluid
CHEVRON CAPELLA OIL WF 68 (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TO20000351	TO20000313	TO20000169
Sample Date		Client Info		12 Jun 2024	31 May 2023	25 Jan 2023
Machine Age	hrs	Client Info		42668	35027	32315
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	12	25	45
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	2	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	0	<1	<1
Tin	ppm	ASTM D5185m	>15	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

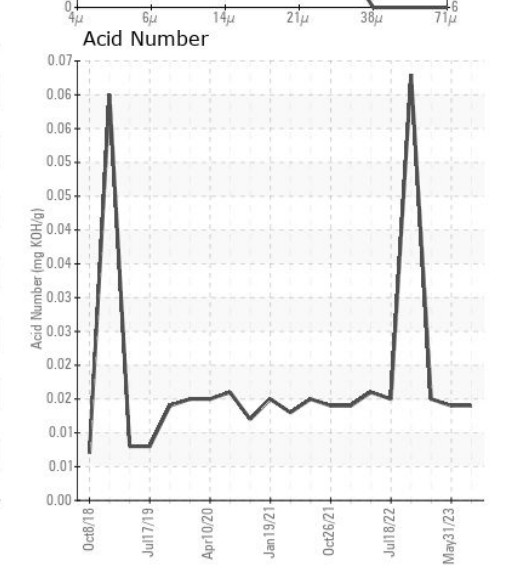
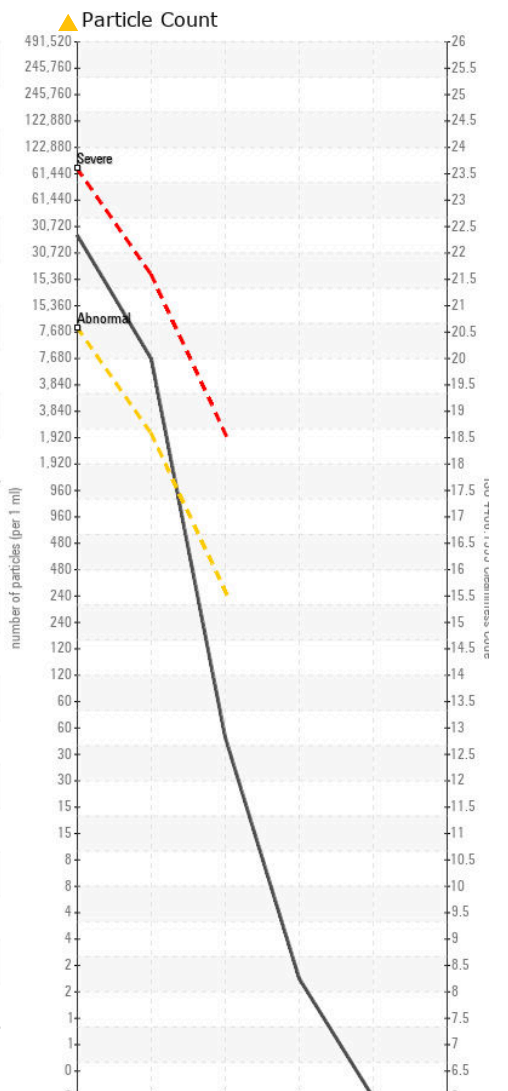
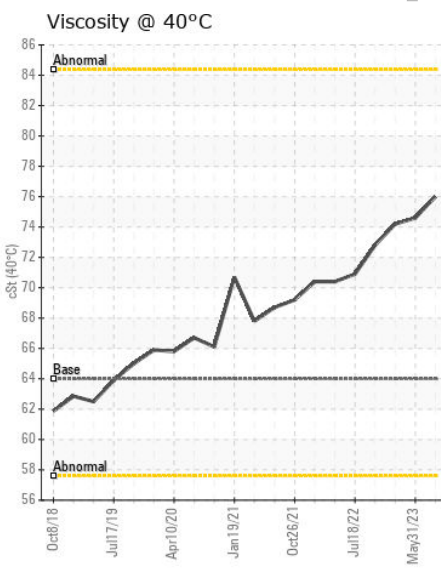
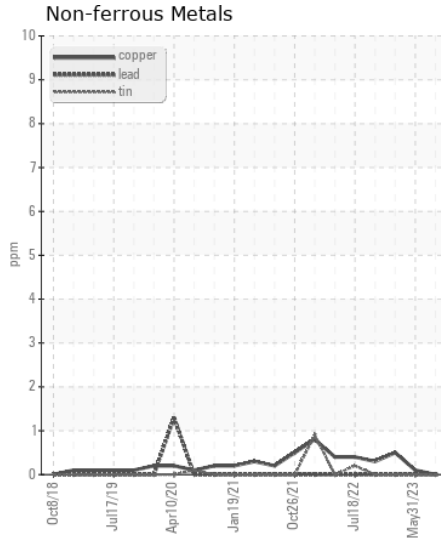
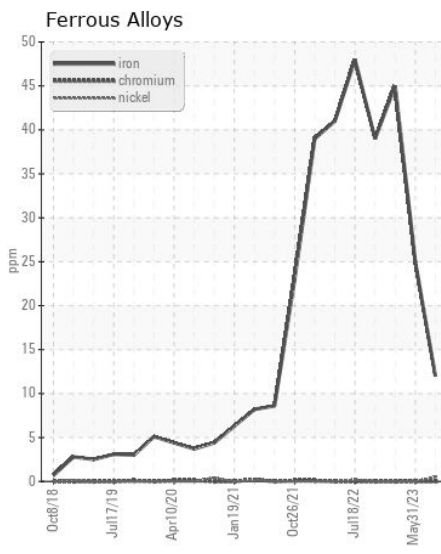
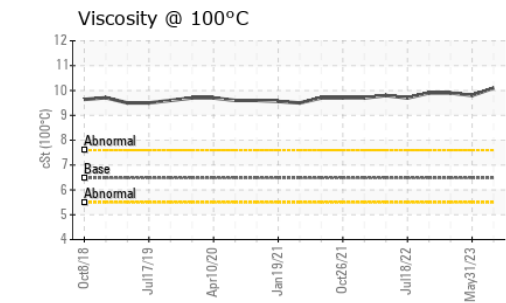
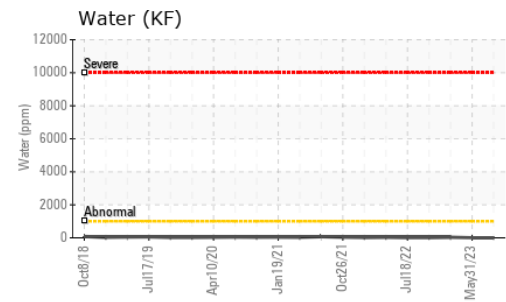
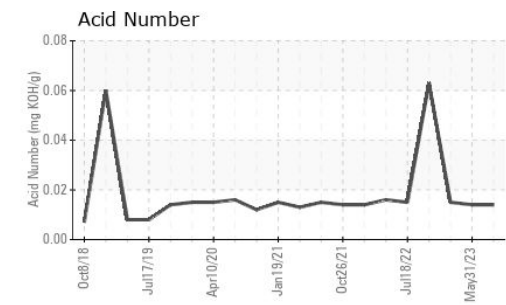
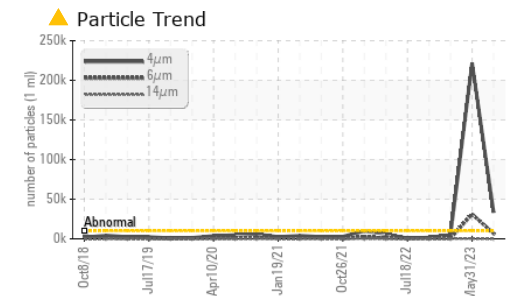
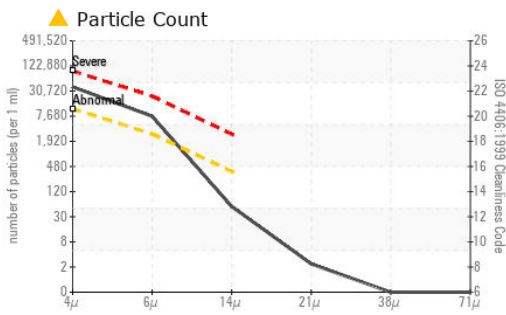
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>25	<1	<1	1
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water	%	ASTM D6304	>0.1	0.00	0.00	0.003
ppm Water	ppm	ASTM D6304	>1000	0	0.00	32.3
Particles >4µm		ASTM D7647	>10000	▲ 33509	▲ 221681	5062
Particles >6µm		ASTM D7647	>2500	▲ 6659	▲ 31154	683
Particles >14µm		ASTM D7647	>320	47	32	15
Particles >21µm		ASTM D7647	>80	2	3	1
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 22/20/13	▲ 25/22/12	20/17/11
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		1	<1	0
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	0	0	3	<1
Calcium	ppm	ASTM D5185m		0	4	1
Phosphorus	ppm	ASTM D5185m		0	4	4
Zinc	ppm	ASTM D5185m		0	37	7
Sulfur	ppm	ASTM D5185m		27	27	17
Acid Number (AN)	mg KOH/g	ASTM D8045		0.014	0.014	0.015
Visc @ 40°C	cSt	ASTM D445	64.0	76.0	74.6	74.2
Visc @ 100°C	cSt	ASTM D445	6.48	10.1	9.8	9.9
Viscosity Index (VI)	Scale	ASTM D2270	12	114	111	114



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO20000351 **Received** : 02 Jul 2024
Lab Number : 06226796 **Tested** : 03 Jul 2024
Unique Number : 11110289 **Diagnosed** : 05 Jul 2024 - Don Baldridge
Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

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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