



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**C-1 MSSC1 (S/N F00354FMNLHGAO)**  
 Component  
**Compressor**  
 Fluid  
**CHEVRON CAPELLA OIL WF 68 (90 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>TO20000304</b>	TO20000283	TO20000181
Sample Date		Client Info		<b>12 Jun 2024</b>	30 May 2023	24 Jan 2023
Machine Age	hrs	Client Info		<b>59589</b>	51420	49439
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Not Changd	N/A
Filter Changed		Client Info		<b>N/A</b>	Not Changd	N/A
Sample Status				<b>NORMAL</b>	ATTENTION	ABNORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>33</b>	10	9
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	<1	0
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

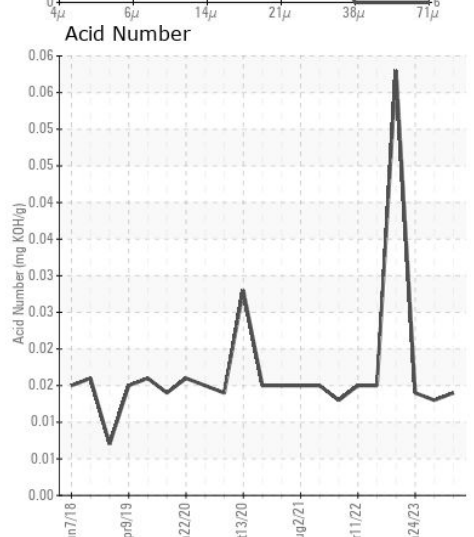
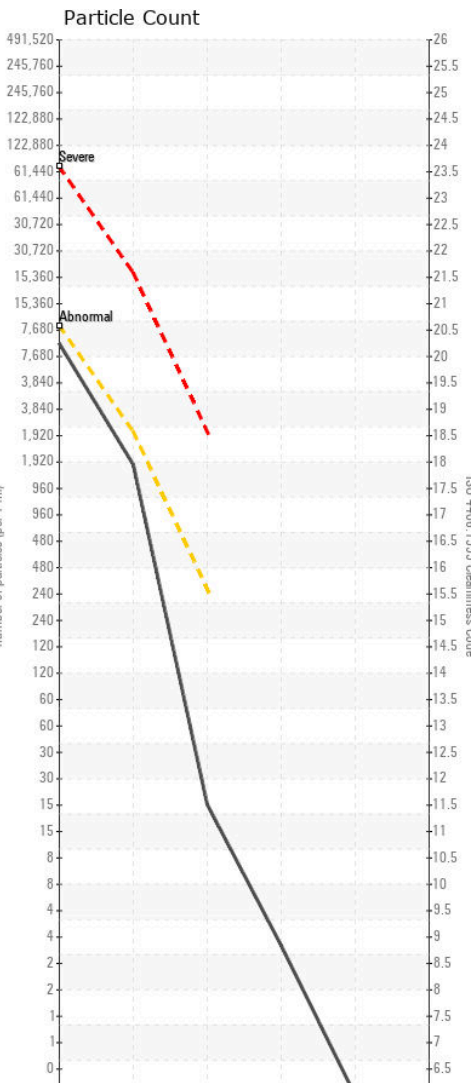
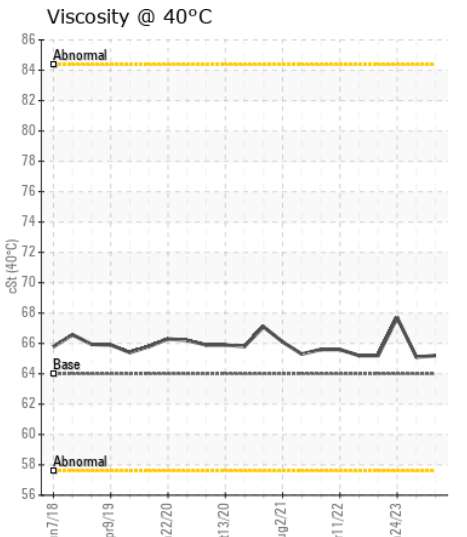
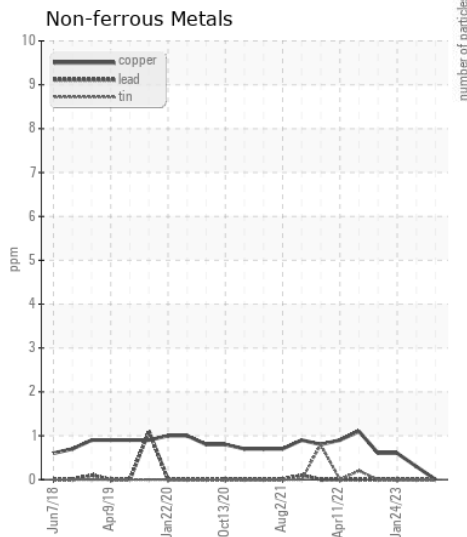
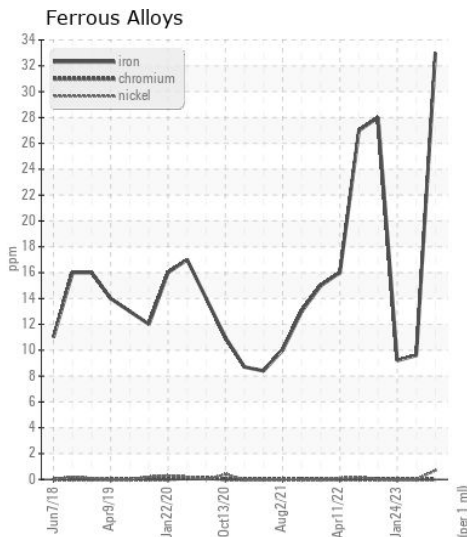
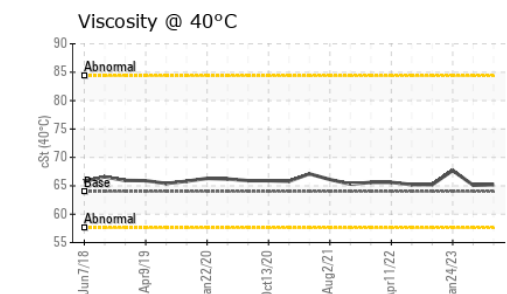
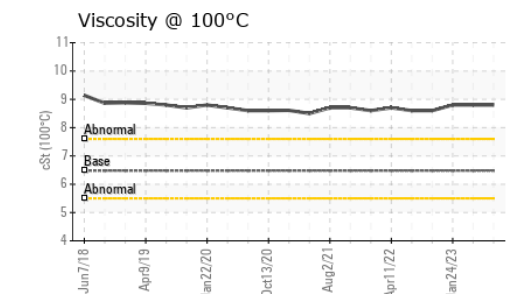
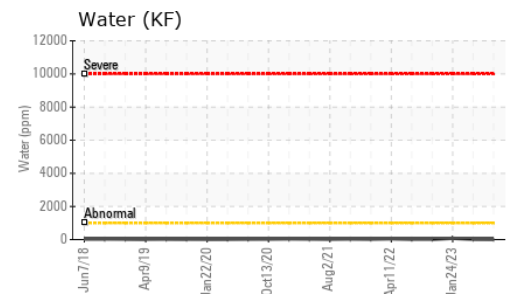
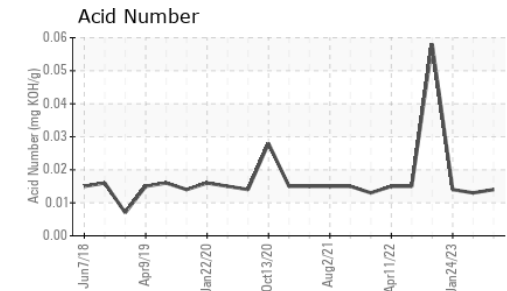
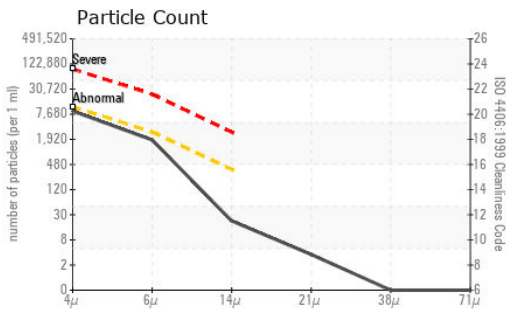
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	<1
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	<1
Water	%	ASTM D6304	>0.1	<b>0.001</b>	0.001	0.007
ppm Water	ppm	ASTM D6304	>1000	<b>8</b>	14.2	78.2
Particles >4µm		ASTM D7647	>10000	<b>7920</b>	● 16475	▲ 90158
Particles >6µm		ASTM D7647	>2500	<b>1626</b>	● 3279	▲ 13352
Particles >14µm		ASTM D7647	>320	<b>19</b>	76	132
Particles >21µm		ASTM D7647	>80	<b>3</b>	7	10
Particles >38µm		ASTM D7647	>20	<b>0</b>	1	0
Particles >71µm		ASTM D7647	>4	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>20/18/11</b>	● 21/19/13	▲ 24/21/14
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	>0.1	<b>NEG</b>	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		<b>1</b>	<1	<1
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	2	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m	0	<b>0</b>	3	<1
Calcium	ppm	ASTM D5185m		<b>0</b>	4	<1
Phosphorus	ppm	ASTM D5185m		<b>0</b>	5	4
Zinc	ppm	ASTM D5185m		<b>0</b>	18	1
Sulfur	ppm	ASTM D5185m		<b>39</b>	38	35
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.014</b>	0.013	0.014
Visc @ 40°C	cSt	ASTM D445	64.0	<b>65.2</b>	65.1	67.7
Visc @ 100°C	cSt	ASTM D445	6.48	<b>8.8</b>	8.8	8.8
Viscosity Index (VI)	Scale	ASTM D2270	12	<b>108</b>	108	102



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO20000304 **Received** : 02 Jul 2024  
**Lab Number** : 06226809 **Tested** : 03 Jul 2024  
**Unique Number** : 11110302 **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)

**DORADA FOODS**  
 2000 HALL BLVD  
 PONCA CITY, OK  
 US 73135  
 Contact: RYAN HALE  
 r hale@doradafoods.com

T:  
F: