



Area  
**ERNA E HONEYCUTT**  
Machine Id  
**[ERNA E HONEYCUTT] 012 641346-12**  
Component  
**Auxiliary Steering**  
Fluid  
**CHEVRON RANDO HDZ 68 (--- GAL)**

**RECOMMENDATION**

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0063220</b>	MW0054369	MW0054375
Sample Date		Client Info		<b>23 Jan 2024</b>	18 Aug 2023	28 Jul 2023
Machine Age	hrs	Client Info		<b>0</b>	3548	0
Oil Age	hrs	Client Info		<b>0</b>	0	3000
Filter Age	hrs	Client Info		<b>0</b>	0	3000
Oil Changed		Client Info		<b>N/A</b>	N/A	Not Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Not Changed
Sample Status				<b>ATTENTION</b>	NORMAL	ABNORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>0</b>	<1	<1
Chromium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>5	<b>0</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	>5	<b>0</b>	3	0
Lead	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>9</b>	4	4
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</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**

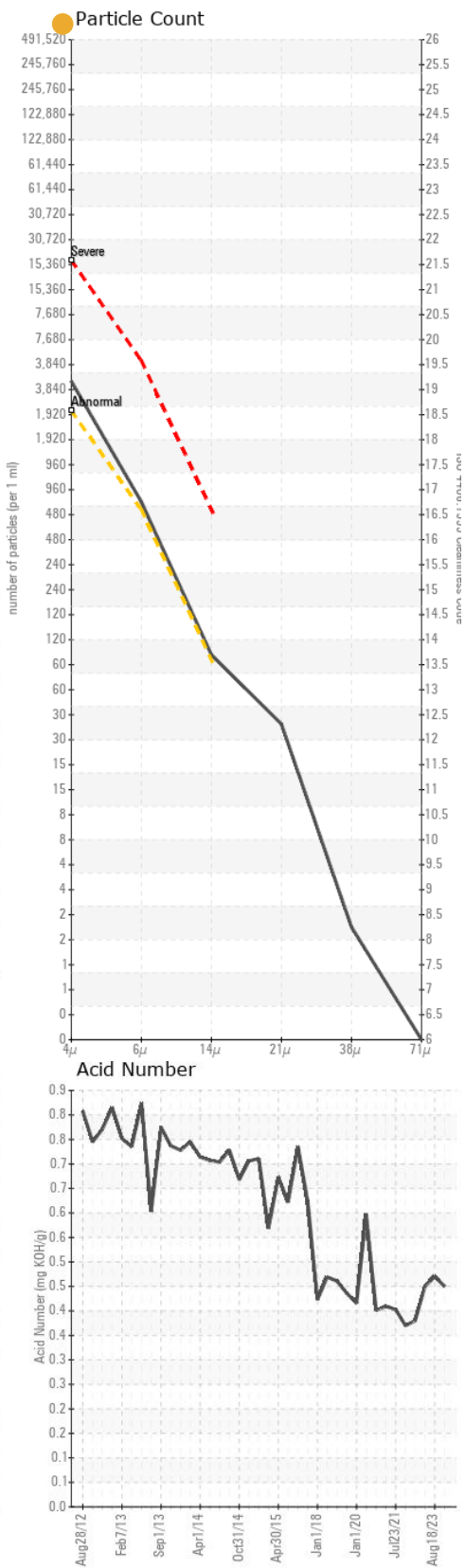
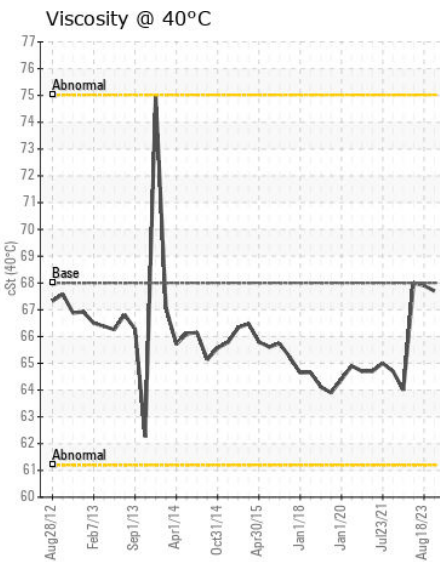
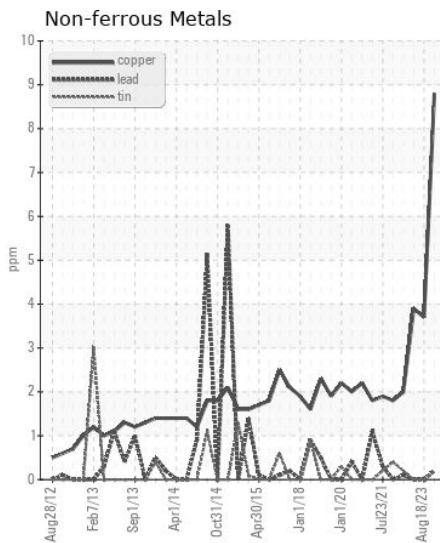
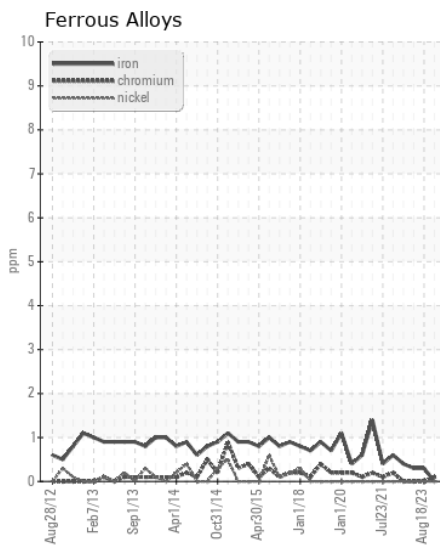
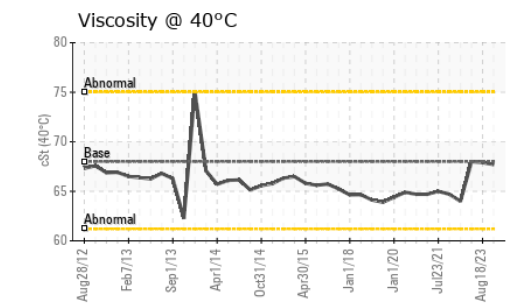
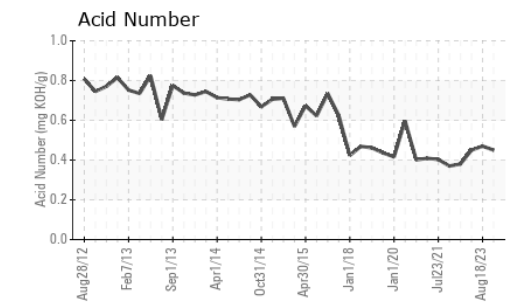
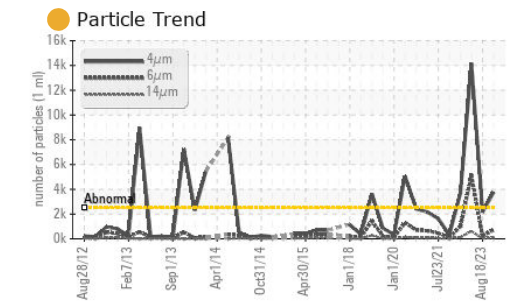
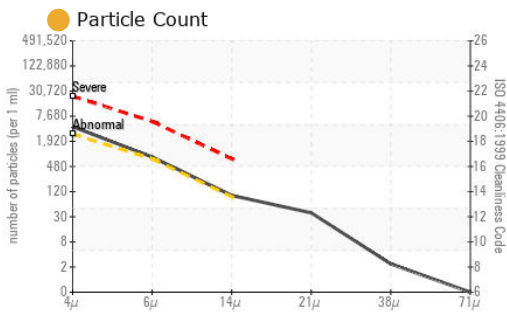
There is a moderate amount of particulates present in the fluid.

Silicon	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>2500	<b>3766</b>	2157	14151
Particles >6µm		ASTM D7647	>640	<b>711</b>	248	5127
Particles >14µm		ASTM D7647	>80	<b>86</b>	21	618
Particles >21µm		ASTM D7647	>20	<b>33</b>	5	219
Particles >38µm		ASTM D7647	>4	<b>2</b>	0	16
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	1
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>19/17/14</b>	18/15/12	21/20/16
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	MODER
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	>0.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Boron	ppm	ASTM D5185m	0	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m	0	<b>0</b>	<1	0
Calcium	ppm	ASTM D5185m	75	<b>59</b>	61	60
Phosphorus	ppm	ASTM D5185m	275	<b>367</b>	369	372
Zinc	ppm	ASTM D5185m	350	<b>469</b>	478	467
Sulfur	ppm	ASTM D5185m	550	<b>1088</b>	1153	1240
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.45</b>	0.47	0.45
Visc @ 40°C	cSt	ASTM D445	68.0	<b>67.7</b>	67.9	68.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW0063220 **Received** : 21 Mar 2024  
**Lab Number** : 06125600 **Tested** : 26 Mar 2024  
**Unique Number** : 10939751 **Diagnosed** : 26 Mar 2024 - Jonathan Hester  
**Test Package** : MAR 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)