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#### Machine Id GERALD SHREVE -FL (S/N FLANKING) Component Hydraulic System Fluid CHEVRON RANDO HD 68 (--- GAL)

### RECOMMENDATION

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

#### WEAR

All component wear rates are normal.

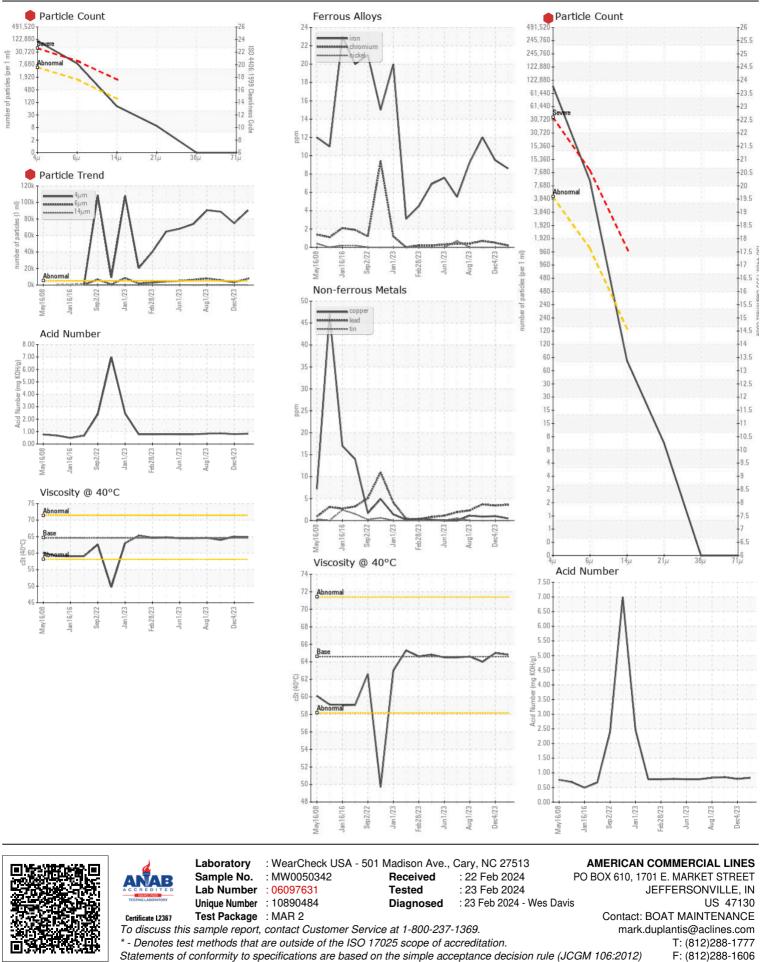
# CONTAMINATION

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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0050342	MW0056215	MW0056218
Sample Date		Client Info		30 Jan 2024	04 Dec 2023	01 Oct 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Filter Age	mths	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				SEVERE	SEVERE	SEVERE
Iron	ppm	ASTM D5185m	>20	9	10	12
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	10	0	0	0
Aluminum	ppm	ASTM D5185m		0	0	0
Lead	ppm	ASTM D5185m	>20	4	3	4
Copper	ppm	ASTM D5185m	>20	<1	1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m	NIGNE	0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Potassium	ppm	ASTM D5185m		0	0	0
Water	ppm	WC Method	>0.05	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	90458	<b>74734</b>	88875
Particles >6µm		ASTM D7647	>1300	A 7607	▲ 3271	▲ 5768
Particles >14µm		ASTM D7647		69	21	42
Particles >21µm		ASTM D7647	>40	8	4	9
Particles >38µm		ASTM D7647		0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	• 24/20/13	23/19/12	24/20/13
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	>0.05	NEG	NEG	NEG
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Sodium	ppm	ASTM D5185m		<1	0	0
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		<1 27	0	<1
Calcium	ppm	ASTM D5185m		37	28	38
Phosphorus	ppm	ASTM D5185m		312	329	319
Zinc	ppm	ASTM D5185m		335	336	350
Sulfur	ppm	ASTM D5185m		989	1018	1139
Acid Number (AN)	mg KOH/g	ASTM D8045	64.0	0.83	0.79	0.85
Visc @ 40°C	cSt	ASTM D445	64.6	64.8	65.0	64.0



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)