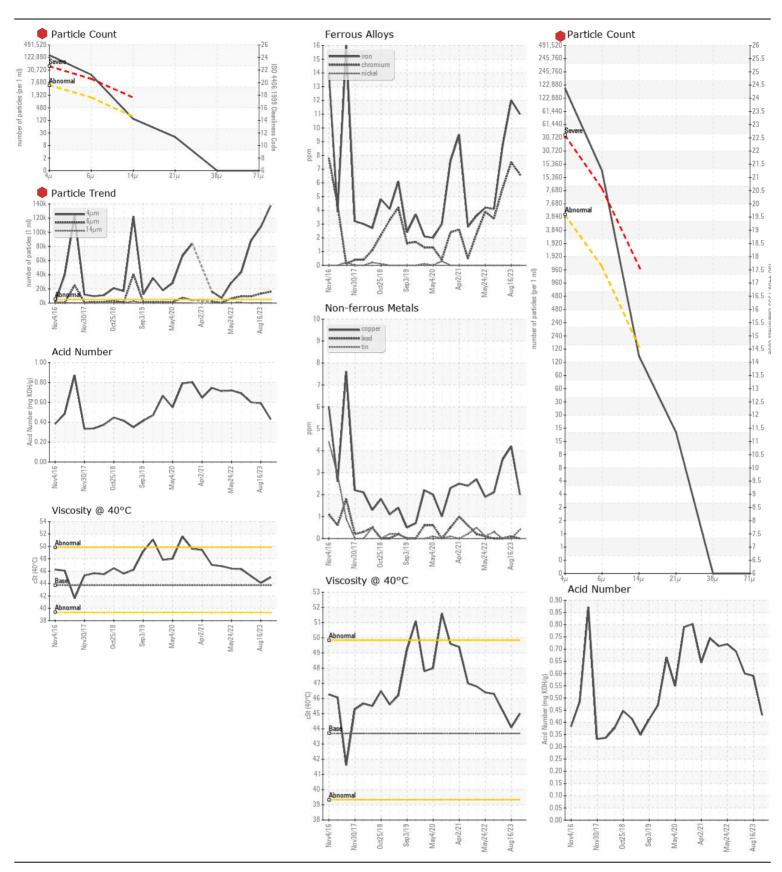
**WEAR** CONTAMINATION **FLUID CONDITION** 

**NORMAL SEVERE NORMAL** 

## KAWASAKI 90ZV F-62 (S/N 90C4-5231)

CHEVRON RANDO HD 46 (44 GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TEOOMMENDATION	Sample Number	OOW	Client Info	LITTION	WC0879498		WC070947
Check seals and/or filters for points of contaminant entry. The air	Sample Date		Client Info		29 Jan 2024	16 Aug 2023	02 Dec 202
breather requires service. If unrated, we recommend that you replace	Machine Age	hrs	Client Info		41074	40116	38540
with a suitable micron rated and/or desiccant air breather. If rated, we	Oil Age	hrs	Client Info		958	1576	2318
recommend that you service/replace the breather. The filter change at the time of sampling has been noted. Resample in 30-45 days to monitor this situation.	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	N/A	Changed
	Filter Changed		Client Info		Changed	N/A	Changed
	Sample Status				SEVERE	ABNORMAL	ABNORMA
WEAR	Iron	ppm	ASTM D5185m	>20	11	12	9
WEAT	Chromium	ppm	ASTM D5185m		7	8	6
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m		0	<1	0
	Aluminum	ppm	ASTM D5185m	>10	<1	<1	0
	Lead	ppm	ASTM D5185m	>10	0	<1	0
	Copper	ppm	ASTM D5185m	>75	2	4	4
	Tin	ppm	ASTM D5185m	>10	<1	0	0
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	2	3	2
	Potassium	ppm	ASTM D5185m	>20	0	1	<1
There is a high amount of silt (particulates < 14 microns in size) present in the oil.	Water		WC Method	>0.1	NEG	NEG	NEG
	Particles >4µm		ASTM D7647	>5000	<b>137674</b>	<u> </u>	<u>A</u> 88147
	Particles >6µm		ASTM D7647	>1300	15905	<u>▲</u> 13225	<b>9330</b>
	Particles >14μm		ASTM D7647		125	91	89
	Particles >21μm		ASTM D7647		17	14	9
	Particles >38μm		ASTM D7647		0	0	1
	Particles >71µm		ASTM D7647		0	0	0
	Oil Cleanliness	o o o lo r	ISO 4406 (c)			24/21/14	A 24/20/1
	Silt Debris	scalar	*Visual *Visual	NONE	NONE NONE	NONE NONE	NONE
	Sand/Dirt	scalar scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1	0	0
The AN level is acceptable for this fluid. The oil is still serviceable	Boron	ppm	ASTM D5185m		10	18	13
provided that the contaminant(s) can be reduced to acceptable levels.	Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m		0 <1	0	0
	Manganese	ppm	ASTM D5185m		<1 <1	<1 0	<1 0
	Magnesium	ppm	ASTM D5185m		4	6	3
	Calcium	ppm	ASTM D5185m		667	1008	1025
	Phosphorus	ppm	ASTM D5185m		480	570	543
	Zinc	ppm	ASTM D5185m		558	722	681
	Sulfur	ppm	ASTM D5185m		1287	1877	1941
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.43	0.59	0.60
	Visc @ 40°C	cSt	ASTM D445	43.7	45.0	44.1	45.2







Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number** Test Package : CONST

: WC0879498 : 06075654 : 10857745

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 31 Jan 2024 Recieved : 01 Feb 2024 Diagnosed : Wes Davis Diagnostician

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)

**FRANKLIN IRON & METAL CORP** 

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Contact/Location: BILL PITTL JR - FRADAY

F: