

WEAR CONTAMINATION **FLUID CONDITION**

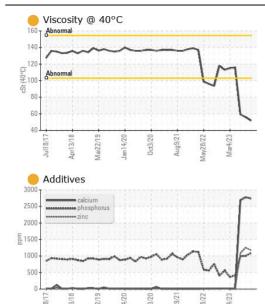
NORMAL NORMAL ATTENTION

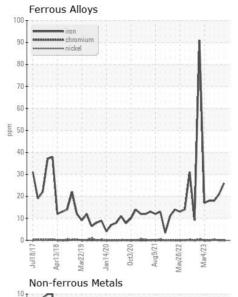


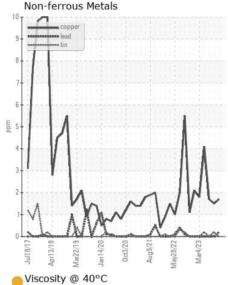
LIEBHERR A934C-HD-LI C-49 (S/N 045168-1006)

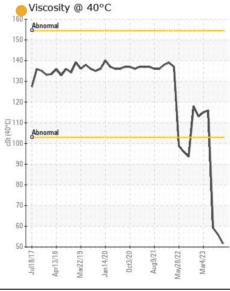
Component Rear Left Planetary

CHEVRON MULTIGEAR EP5 80	W90 (1 GAL	_)					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		WC0899803	WC0869367	WC0828377
	Sample Date		Client Info		27 Feb 2024	07 Nov 2023	05 Sep 2023
	Machine Age	hrs	Client Info		27156	26737	26412
	Oil Age	hrs	Client Info		1091	325	347
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	N/A
	Filter Changed		Client Info		Not Changd	Changed	N/A
	Sample Status				ATTENTION	ATTENTION	ATTENTION
WEAR	Iron	ppm	ASTM D5185m	>500	26	21	18
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	0	0	<1
	Nickel	ppm	ASTM D5185m	>10	0	0	<1
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	<1	<1	2
	Lead	ppm	ASTM D5185m	>25	<1	0	0
	Copper	ppm	ASTM D5185m		2	2	2
	Tin	ppm	ASTM D5185m	>10	0	<1	0
	Vanadium	ppm	ASTM D5185m		<1	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	6	5	8
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	0	1	2
	Water		WC Method	>0.2	NEG	NEG	NEG
	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	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	0	1
The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.	Boron	ppm	ASTM D5185m		56	62	65
	Barium	ppm	ASTM D5185m		<1	0	2
	Molybdenum	ppm	ASTM D5185m		1	2	1
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		16	0	14
	Calcium	ppm	ASTM D5185m		2738	2774	2689
	Phosphorus	ppm	ASTM D5185m		1087	1004	993
	Zinc	ppm	ASTM D5185m		1175	1253	1084
	Sulfur	ppm	ASTM D5185m		6784	6743	6943
	Visc @ 40°C	cSt	ASTM D445		51.7	55.9	59.1













Certificate L2367

Laboratory

Sample No.

Test Package : CONST

: WC0899803 Lab Number : 06105546 Unique Number: 10903776

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 Feb 2024 **Tested** :01 Mar 2024

: 04 Mar 2024 - Don Baldridge Diagnosed

DAYTON, OH US 45403 Contact: BILL PITTL JR

FRANKLIN IRON & METAL CORP

parts@frankliniron.com T: (937)253-8184

1939 EAST 1ST ST

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)

F: