

WEAR CONTAMINATION **FLUID CONDITION**

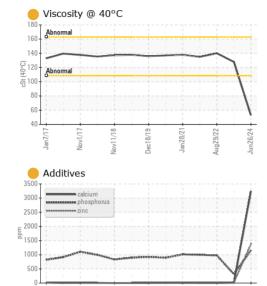
NORMAL NORMAL ATTENTION

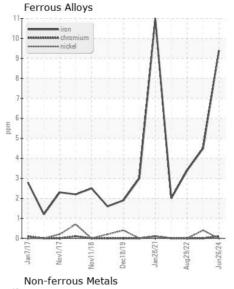


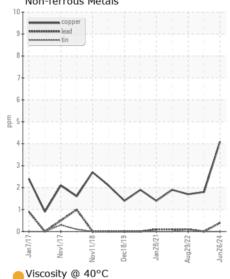
Machine Id LIEBHERR A934C-HD-LI C-48 (S/N 045988-1007)

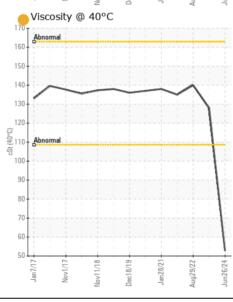
Front Differential

CHEVRON MULTIGEAR EP5 80	W90 (8 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		WC0920323	WC0794441	WC0692230
	Sample Date		Client Info		26 Jun 2024	23 Jun 2023	29 Aug 2022
	Machine Age	hrs	Client Info		26123	25091	23967
	Oil Age	hrs	Client Info		2000	1124	292
	Filter Age	hrs	Client Info		0	0	292
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Not Changd	Changed	Changed
	Sample Status				ATTENTION	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>190	9	4	3
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>2	<1	0	0
	Nickel	ppm	ASTM D5185m	>2	0	<1	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>5	1	0	<1
	Lead	ppm	ASTM D5185m	>15	<1	0	<1
	Copper	ppm	ASTM D5185m	>70	4	2	2
	Tin	ppm	ASTM D5185m	>2	0	0	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION There is no indication of any contamination in the oil.	Silicon	ppm	ASTM D5185m	>20	13	1	<1
	Potassium	ppm	ASTM D5185m	>20	1	<1	2
	Water		WC Method	>.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	>.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1	0	0
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		57	8	199
	Barium	ppm	ASTM D5185m		0	0	2
	Molybdenum	ppm	ASTM D5185m		1	0	0
	Manganese	ppm	ASTM D5185m		<1	0	0
	Magnesium	ppm	ASTM D5185m		<u>22</u>	1	<1
	Calcium	ppm	ASTM D5185m		3237	12	1
	Phosphorus	ppm	ASTM D5185m		<u> </u>	314	974
	Zinc	ppm	ASTM D5185m		<u> </u>	8	<1
	Sulfur	ppm	ASTM D5185m		4805	19131	17699
Paget Id. FDADAY (MILICCAD) 00020072 (Congreted) 00(00/0004 11:24:20) Pour 1	Visc @ 40°C	cSt	ASTM D445	.	52.8	128	140













Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06223873 Unique Number : 11102070

: WC0920323

Test Package : CONST

Received : 28 Jun 2024 : 29 Jun 2024 **Tested**

Diagnosed : 30 Jun 2024 - Don Baldridge

US 45403 Contact: BILL PITTL JR parts@frankliniron.com

FRANKLIN IRON & METAL CORP

T: (937)253-8184

1939 EAST 1ST ST

DAYTON, OH

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)