

WEAR CONTAMINATION FLUID CONDITION

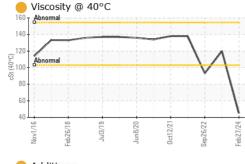
NORMAL NORMAL ATTENTION

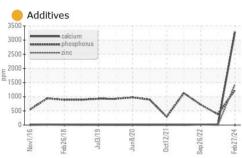


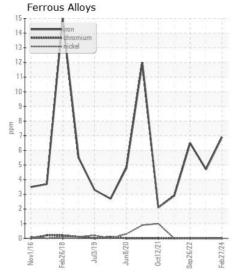
LIEBHERR A934C-HD-LI C-49 (S/N 045168-1006)

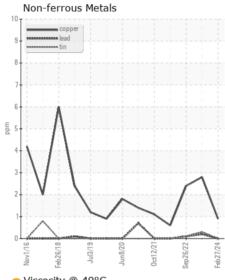
Component Front Differential

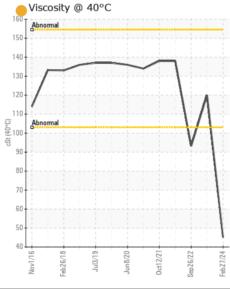
CHEVRON MULTIGEAR EP5 8	0W90 (8 GAL	<u>-</u>)					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		WC0899807	WC0794475	WC0692222
	Sample Date		Client Info		27 Feb 2024	26 Jun 2023	26 Sep 2022
	Machine Age	hrs	Client Info		27156	26065	24774
	Oil Age	hrs	Client Info		1091	1291	970
	Filter Age	hrs	Client Info		0	1291	970
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Not Changd	Changed	Changed
	Sample Status				ATTENTION	NORMAL	ATTENTION
WEAR	Iron	ppm	ASTM D5185m	>190	7	5	6
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>2	0	0	0
	Nickel	ppm	ASTM D5185m	>2	0	0	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	0	<1	<1
	Copper	ppm	ASTM D5185m	>70	<1	3	2
	Tin	ppm	ASTM D5185m	>2	0	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	12	1	3
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	0	2	1
	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		0	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		54	8	61
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		1	2	<1
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		22	<1	3
	Calcium	ppm	ASTM D5185m		3284	13	16
	Phosphorus	ppm	ASTM D5185m		<u> </u>	379	719
	Zinc	ppm	ASTM D5185m		1433	0	17
	Sulfur	ppm	ASTM D5185m		4380	23391	25850
	Visc @ 40°C	cSt	ASTM D445		45.1	120	93.2













Certificate L2367

Laboratory Sample No.

: WC0899807 **Lab Number** : 06105545 Unique Number : 10903775

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 Feb 2024 **Tested** :01 Mar 2024 : 04 Mar 2024 - Don Baldridge

Diagnosed Test Package : CONST

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)

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Report Id: FRADAY [WUSCAR] 06105545 (Generated: 03/04/2024 17:44:43) Rev: 1

Contact/Location: BILL PITTL JR - FRADAY