OIL ANALYSIS REPORT

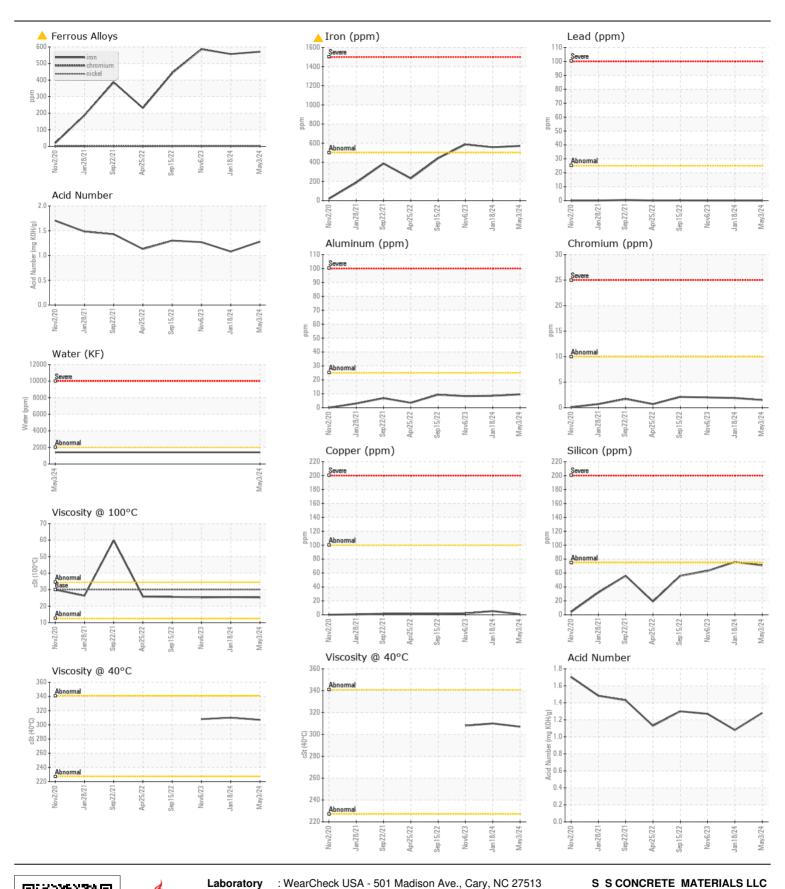
WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL** NORMAL **NORMAL**

Machine Id

76Component

Rear Differential

No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number						History2
			Client Info		TR0001338	TR0001354	TR0001267
	Sample Date		Client Info		03 May 2024	18 Jan 2024	06 Nov 2023
	Machine Age	hrs	Client Info		24753	24114	23801
	Oil Age	hrs	Client Info		24753	24114	23801
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Not Changd	Not Changd	Not Change
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				ABNORMAL	ABNORMAL	ABNORMA
WEAR	Iron	ppm	ASTM D5185m	>500	<u> </u>	<u></u> 557	<u></u> 586
Gear wear is indicated. All other component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	2	2	2
	Nickel	ppm	ASTM D5185m		- <1	1	<1
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	10	8	8
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m	>100	<1	5	2
	Tin	ppm	ASTM D5185m	>10	0	0	0
	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		71	<u>^</u> 76	63
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		8	8	7
	Water	%	ASTM D6304	>.2	0.141		
	ppm Water	ppm	ASTM D6304		1410		
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
<u> </u>	Emulsified Water	scalar	*Visual	>.2	0.2% 	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		9	7	8
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		130	180	161
	Barium	ppm	ASTM D5185m		0	0	<1
	Molybdenum	ppm	ASTM D5185m		0	<1	0
	Manganese	ppm	ASTM D5185m		6	6	6
	Magnesium	ppm	ASTM D5185m		6	6	4
	Calcium	ppm	ASTM D5185m		70	80	82
	Phosphorus	ppm	ASTM D5185m		1013	1019	917
	Zinc	ppm	ASTM D5185m		82	71	66
	Sulfur	ppm	ASTM D5185m		23918	22633	19415
	, ,	mg KOH/g	ASTM D8045		1.28	1.08	1.27
	Visc @ 40°C	cSt	ASTM D445		307	310	308
	Visc @ 100°C	cSt	ASTM D445		25.3	25.5	25.3
	Viscosity Index (VI)	Scala	ASTM D2270	105	106	106	106





Laboratory Sample No. **Lab Number**

: TR0001338 : 06174709

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 09 May 2024 **Tested** Unique Number : 11020762

Diagnosed

: 13 May 2024 : 13 May 2024 - Don Baldridge

P.O. BOX 23283

BULLHEAD CITY, AZ US 86439

Contact: MARK OPHEIM

Test Package : MOB 2 (Additional Tests: KF, KV100, VI) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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: (928)754-1991

T: