WEAR CONTAMINATION FLUID CONDITION

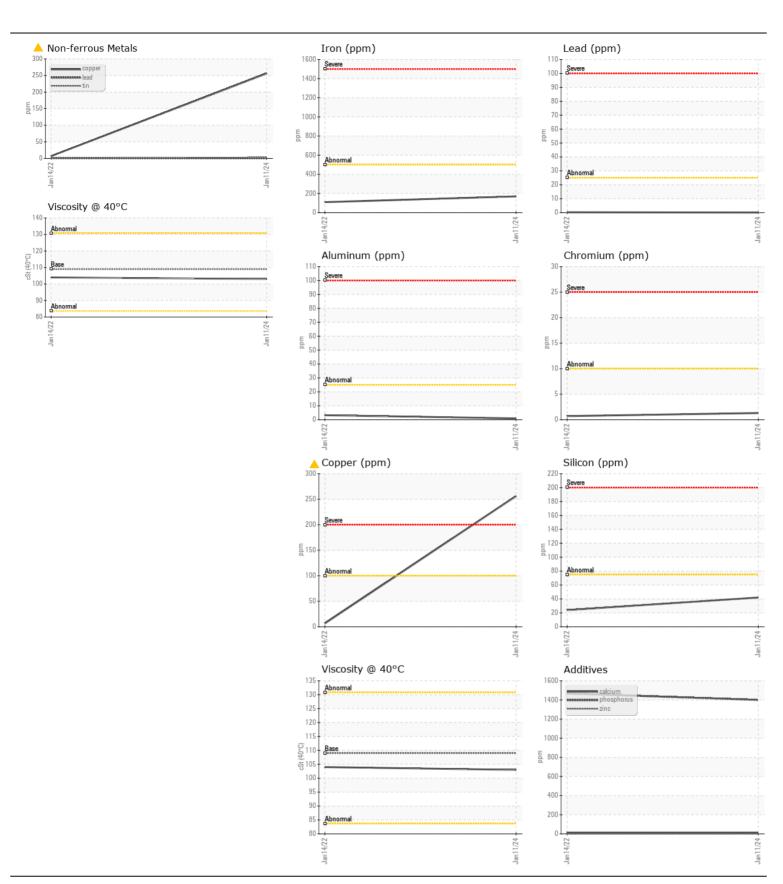
ABNORMAL NORMAL NORMAL

Machine Id

911

3 Differential

GEAR OIL SAE 75W90 ( GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. We recommend an early resample to monitor this condition.	Sample Number		Client Info		DC0029433	DC0017349	
	Sample Date		Client Info		11 Jan 2024	14 Jan 2022	
	Machine Age	mls	Client Info		128273	86337	
	Oil Age	mls	Client Info		0	0	
	Filter Age	mls	Client Info		0	0	
	Oil Changed		Client Info		N/A	N/A	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				ABNORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>500	169	109	
Bearing and/or bushing wear is indicated.	Chromium	ppm	ASTM D5185m	>10	1	<1	
	Nickel	ppm	ASTM D5185m	>10	<1	0	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m		0	3	
	Aluminum	ppm	ASTM D5185m	>25	<1	3	
	Lead	ppm	ASTM D5185m	>25	0	<1	
	Copper	ppm	ASTM D5185m	>100	<b>256</b>	7	
	Tin	ppm	ASTM D5185m	>10	3	<1	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	VLITE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	<b>~</b> 75	42	24	
	Potassium	ppm	ASTM D5185m		2	1	
There is no indication of any contamination in the oil.	Water	ррпп	WC Method		NEG	NEG	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	LIGHT	LIGHT	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	0	
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	400	299	321	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		<1	<1	
	Manganese	ppm	ASTM D5185m		17	12	
	Magnesium	ppm	ASTM D5185m	12	1	<1	
	Calcium	ppm	ASTM D5185m		11	8	
	Phosphorus	ppm	ASTM D5185m		1400	1468	
	Zinc	ppm	ASTM D5185m	125	<1	0	
	Sulfur	ppm	ASTM D5185m	22500	25550	20720	
	Visc @ 40°C	cSt	ASTM D445	109	103	104	







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: DC0029433 : 06075173 : 10857264 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 30 Jan 2024 Diagnosed : 01 Feb 2024 Diagnostician : Don Baldridge

**FRANCIS O DAY** 14900 SOUTHLAWN LN ROCKVILLE, MD US 20850

Contact: JAMIE FORESTER

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)

T:

F: