

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



TMR-Sunshine

21584 LIEBHERR R934 925-14645

Left Final Drive Fluid GEAR OIL SAE 80W90 (GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.	Sample Number		Client Info		DJJ0021126	DJJ0021130	DJJ0008277
	Sample Date		Client Info		06 Feb 2024	17 Oct 2023	22 Jun 2022
	Machine Age	hrs	Client Info		28499	27965	0
	Oil Age	hrs	Client Info		0	1000	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Not Changd	Changed	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	NORMAL	ABNORMAL
WEAR	Iron	ppm	ASTM D5185m	>1700	170	691	17
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>30	3	10	2
	Nickel	ppm	ASTM D5185m	>8	0	1	0
	Titanium	ppm	ASTM D5185m	>10	0	<1	0
	Silver	ppm	ASTM D5185m		0	2	0
	Aluminum	ppm	ASTM D5185m	>100	<1	<1	0
	Lead	ppm	ASTM D5185m	>10	<1	2	<1
	Copper	ppm	ASTM D5185m	>100	4	10	6
	Tin	ppm	ASTM D5185m	>8	<1	0	0
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>500	4	17	6
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	2	2	0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
	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	>170	0	0	<1
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	400	13	54	3
	Barium	ppm	ASTM D5185m	200	0	<1	0
	Molybdenum	ppm	ASTM D5185m	12	<1	2	5
	Manganese	ppm	ASTM D5185m		2	6	<1
	Magnesium	ppm	ASTM D5185m		6	10	▲ 33
	Calcium	ppm	ASTM D5185m	150	268	560	▲ 2848
	Phosphorus	ppm	ASTM D5185m	1650	545	866	978
	Zinc	ppm	ASTM D5185m	125	163	341	1197
	Sulfur	ppm	ASTM D5185m	22500	17039	11813	4582
	V" 0 4000	- 04	AOTAL DA45	4.40	000	4.40	A FO O

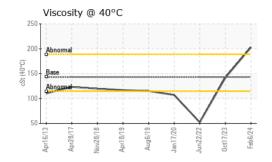
Visc @ 40°C

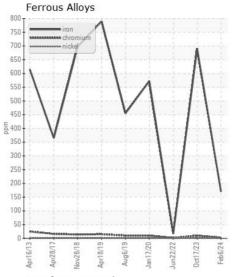
142

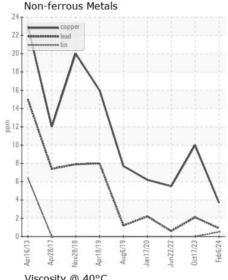
203

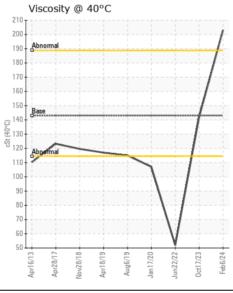
ASTM D445 143

▲ 52.0











Certificate L2367

Laboratory Sample No.

Lab Number : 06087789 Unique Number : 10875234

: DJJ0021126 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 Feb 2024 **Tested** : 14 Feb 2024

Diagnosed

: 14 Feb 2024 - Wes Davis

TRADEMARK METALS RECYCLING - SUNSHINE

13200 CAIRO LN OPA LOCKA, FL US 33054

Contact: Service Manager

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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