

Area

WEAR ABNORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

TMR-Riviera Beach Machine Id 231160 LIEBHERR LH40M 1202-75762 Component Rear Differential

AMALIE 85W140 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

١	Λ	/	E	Δ	R
			_	-	

Bearing and/or bushing wear is indicated. All other component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

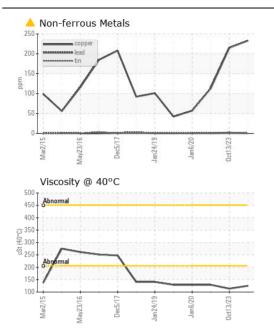
FLUID CONDITION

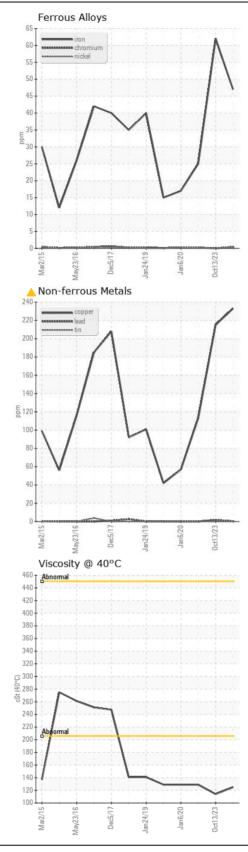
The condition of the oil is acceptable for the time in service.

				~~~~~		
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DJJ0023195	DJJ0021110	DJJ0007666
Sample Date		Client Info		09 Jul 2024	13 Oct 2023	29 Mar 2021
Machine Age	hrs	Client Info		15282	14181	9701
Oil Age	hrs	Client Info		500	0	500
Filter Age	hrs	Client Info		500	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status			ABNORMAL	ABNORMAL	NORMAL	
Iron	ppm	ASTM D5185m	>150	47	62	25
Chromium	ppm	ASTM D5185m	>5	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>5	2	<1	0
Lead	ppm	ASTM D5185m	>5	<1	2	<1
Copper	ppm	ASTM D5185m	>125	<b>A</b> 233	<b>A</b> 215	113
Tin	ppm	ASTM D5185m	>5	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	6	5	2
Potassium	ppm	ASTM D5185m	>20	1	<1	2
Water	le le	WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	VLITE
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
Sodium	ppm	ASTM D5185m		2	3	2
	ppm	ASTM D5185m		- 77	79	98
Boron	DUII					
Boron Barium						0
Barium	ppm	ASTM D5185m		0 4	0	0
	ppm ppm	ASTM D5185m ASTM D5185m		0		
Barium Molybdenum	ppm	ASTM D5185m		0 4	0 1	2
Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		0 4 2	0 1 1	2 <1
Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 4 2 15	0 1 1 3	2 <1 4
Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 4 2 15 37	0 1 1 3 25	2 <1 4 11
Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 4 2 15 37 802	0 1 3 25 860	2 <1 4 11 799

Report Id: TRAWES4661 [WUSCAR] 06236512 (Generated: 07/17/2024 11:27:54) Rev: 1

Contact/Location: RYAN BOWDEN - TRAWES4661





TRADEMARK METALS RECYCLING - RIVIERA BEACH 4661 DYER BLVD WEST PALM BEACH, FL : 17 Jul 2024 - Sean Felton US 33407 Contact: RYAN BOWDEN

T:



Unique Number : 11125346 Diagnosed Test Package : CONST Certificate L2367 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. F: (561)842-9526 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Received

Tested

: 15 Jul 2024

: 16 Jul 2024

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

Report Id: TRAWES4661 [WUSCAR] 06236512 (Generated: 07/17/2024 11:27:56) Rev: 1

Laboratory

Sample No.

Lab Number : 06236512

: DJJ0023195

Contact/Location: RYAN BOWDEN - TRAWES4661 Page 2 of 2