

Area

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL



RMR-Somerset 18892 LIEBHERR A934B 028807-935 Component Swing Drive

LIEBHERR GEAR BASIC 90 LS (--- GAL)

RECO	MMENDATION	

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

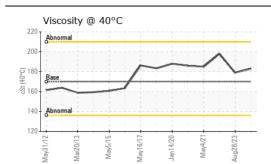
FLUID CONDITION

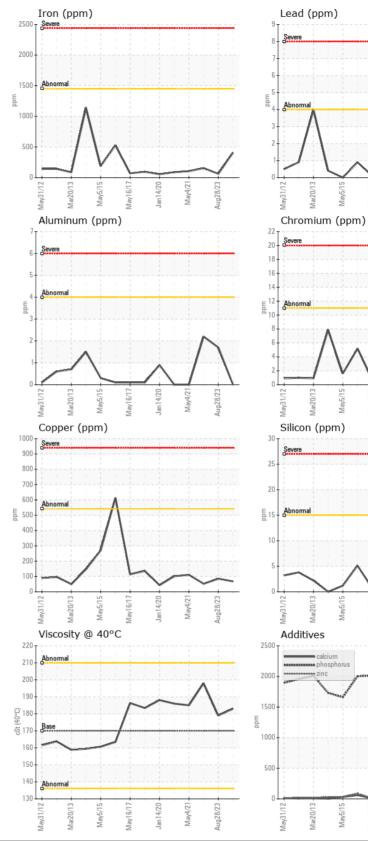
The condition of the oil is acceptable for the time in service.

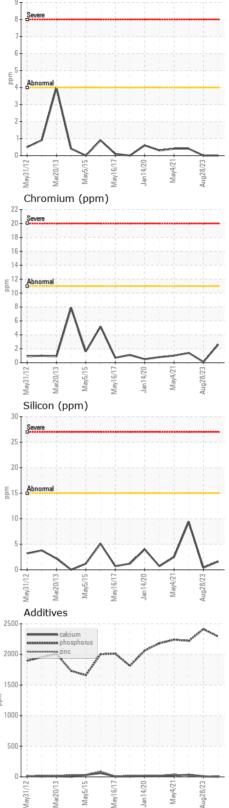
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DJJ0021702	DJJ0017733	DJJ0011943
Sample Date		Client Info		16 Apr 2024	28 Aug 2023	02 Nov 2021
Machine Age	hrs	Client Info		19831	19131	16982
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
			1450	400	01	150
Iron	ppm	ASTM D5185m	>1450	406	61	152
Chromium	ppm	ASTM D5185m	>11	3	<1	1
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm				0	<1
Silver	ppm	ASTM D5185m	>4	0	0	0
Aluminum	ppm	ASTM D5185m				
Lead	ppm	ASTM D5185m	>4	0	0	<1
Copper	ppm	ASTM D5185m ASTM D5185m	>542	68	85	52 1
Tin	ppm		>38	2	2	
Vanadium White Metal	ppm	ASTM D5185m				
	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>15	2	<1	9
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	LIGHT	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	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		2	1	0
Boron	ppm	ASTM D5185m	0	<1	0	10
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m	0	4	<1	1
Magnesium	ppm	ASTM D5185m	<1	0	0	2
Calcium	ppm	ASTM D5185m	<1	0	11	36
Phosphorus	ppm	ASTM D5185m	2143	2292	2413	2221
Zinc	ppm	ASTM D5185m	<1	12	0	21
Sulfur	ppm	ASTM D5185m	23468	33765	34895	23054
Visc @ 40°C	cSt	ASTM D445	170	183	179	198

Report Id: RIVSOM [WUSCAR] 06154955 (Generated: 04/23/2024 15:56:30) Rev: 1

Contact/Location: RYAN BOWDEN - RIVSOM









RIVER METALS RECYCLING - SOMERSET 905 CRANE ROAD SOMERSET, KY US 42501 Contact: RYAN BOWDEN

T:

Test Package : MOBCE To discuss this sample report, contact Customer Service at 1-800-237-1369.

: DJJ0021702

* - 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: (606)679-7523

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

Received

Diagnosed

Tested

: 19 Apr 2024

: 22 Apr 2024

: 22 Apr 2024 - Wes Davis

Certificate L2367

Laboratory

Sample No.

Lab Number : 06154955

Unique Number : 10990378

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