

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL



AMR-St Joe Machine Id 115441 LIEBHERR LH50 115441

Rear Right Planetary

LIEBHERR GEAR BASIC 90 LS (--- GAL)

RECOMMENDATION	
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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		DJJ0018511	DJJ0018474	DJJ0018534
Sample Date		Client Info		18 Jun 2024	10 Jan 2024	30 May 2023
Machine Age	hrs	Client Info		1999	1496	998
Oil Age	hrs	Client Info		0	500	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>500	36	24	31
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	0	2	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>75	5	4	12
Tin	ppm	ASTM D5185m	>10	0	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
Silicon		ASTM D5185m	>75	2	2	8
Potassium	ppm ppm	ASTM D5185m	>20	0	1	0
Water	ppm	WC Method	>0.2	NEG	NEG	NEG
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	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		8	4	8
Boron	ppm	ASTM D5185m	0	8	<1	2
Barium	ppm	ASTM D5185m	0	<1	10	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m	0	1	<1	1
Magnesium	ppm	ASTM D5185m	<1	<1	<1	0
Calcium	ppm	ASTM D5185m	<1	25	29	131
Phosphorus	ppm	ASTM D5185m	2143	2315	2300	2036
Zinc	ppm	ASTM D5185m	<1	15	0	11
Sulfur	ppm	ASTM D5185m	23468	30117	31317	25056
	oSt	ASTM D445	170	100	101	169

Visc @ 40°C

cSt

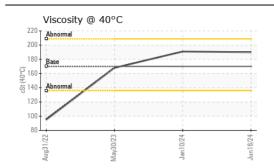
ASTM D445 170

Contact/Location: RICK ARCHER - ADVSTJ

191

190

168



Ferrous Alloys 36 34 32 nicke 30 28 26. 24 22 20 E 18 16 14 12 10 ۶ 0 Aav30/73 un 18/24 Jan 10/24 Non-ferrous Metals 10 0 Aug31/22 Jan 10/24 un18/24 1av20/73 Viscosity @ 40°C 210 20 190 180 170 160 cSt (40°C) 140 Abnorma 130 120 110 100 90 Aug31/22. May30/23 Jan 10/24 Jun18/24

> ADVANTAGE METALS RECYCLING - ST JOSEPH 750 S 4TH ST ST JOSEPH, MO US 64501 Contact: RICK ARCHER richard.archer@advantagerecycling.com;rea@djj.com T: (816)279-7403 F: (816)364-3611



Unique Number : 11101131 Diagnosed : 28 Jun 2024 - Wes Davis 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Received

Tested

: 27 Jun 2024

: 28 Jun 2024

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

Laboratory

Sample No.

Lab Number : 06222934

: DJJ0018511

Contact/Location: RICK ARCHER - ADVSTJ Page 2 of 2