

WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

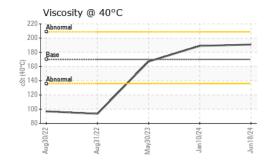


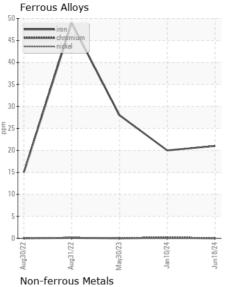
AMR-St Joe

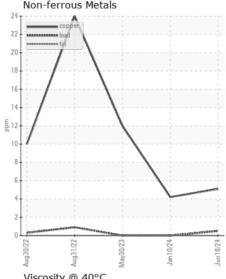
115441 LIEBHERR LH50 115441

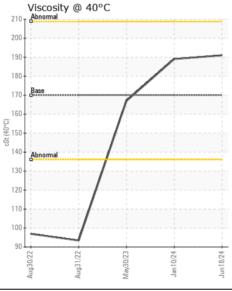
Rear Left Planetary

LIEBHERR GEAR BASIC 90 LS	(GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		DJJ0018510	DJJ0018480	DJJ0018532
	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
WEAR	Iron	ppm	ASTM D5185m	>500	21	20	28
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	0	<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		<1	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
CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	1	2	8
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	0	1	0
	Water		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
FLUID CONDITION	Sodium	ppm	ASTM D5185m		8	3	7
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	0	2	<1	2
	Barium	ppm	ASTM D5185m	0	<1	10	0
	Molybdenum	ppm	ASTM D5185m		0	<1	<1
	Manganese	ppm	ASTM D5185m		<1	<1	1
	Magnesium	ppm	ASTM D5185m		<1	<1	0
	Calcium	ppm	ASTM D5185m		24	39	134
	Phosphorus	ppm	ASTM D5185m		2264	2258	2052
	Zinc	ppm	ASTM D5185m		12	0	11
	Sulfur	ppm	ASTM D5185m		28181	30159	25056
Papart Id. ADVCT [MILICCAD] 06222015 (Caparated: 06/20/2024 10:22:12) Day: 1	Visc @ 40°C	cSt	ASTM D445		191	189	167











Certificate L2367

Laboratory Sample No. Test Package : CONST

: DJJ0018510 Lab Number : 06222915 Unique Number : 11101112

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 27 Jun 2024 **Tested** : 28 Jun 2024 Diagnosed

: 28 Jun 2024 - Wes Davis

ADVANTAGE METALS RECYCLING - ST JOSEPH

750 S 4TH ST ST JOSEPH, MO US 64501

F: (816)364-3611

Contact: RICK ARCHER

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. richard.archer@advantagerecycling.com;rea@djj.com T: (816)279-7403

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: RICK ARCHER - ADVSTJ