

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

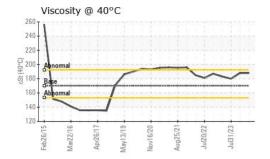


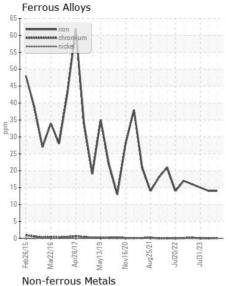
AMR-Sedalia

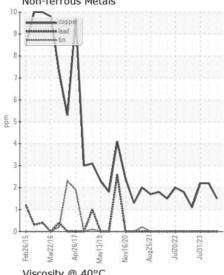
233141 LIEBHERR LH50M 1203-75764

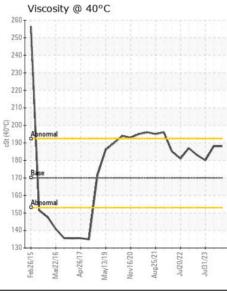
Front Right Wheel Hub

LIEBHERR GEAR BASIC 90 LS	(3 Q I S)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		DJJ0019065	DJJ0018644	DJJ0018428
	Sample Date		Client Info		09 Apr 2024	01 Dec 2023	31 Jul 2023
	Machine Age	hrs	Client Info		14835	14337	13834
	Oil Age	hrs	Client Info		500	0	500
	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	>325	14	14	15
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>3	<1	0	0
	Nickel	ppm	ASTM D5185m	>2	0	0	0
	Titanium	ppm	ASTM D5185m	>4	<1	0	0
	Silver	ppm	ASTM D5185m	>2	<1	0	0
	Aluminum	ppm	ASTM D5185m	>10	<1	0	<1
	Lead	ppm	ASTM D5185m	>3	0	0	0
	Copper	ppm	ASTM D5185m	>70	2	2	2
	Tin	ppm	ASTM D5185m	>2	0	0	0
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>70	1	2	1
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	1	8	1
	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		4	7	4
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	0	5	10	15
	Barium	ppm	ASTM D5185m	0	2	0	0
	Molybdenum	ppm	ASTM D5185m	0	0	0	0
	Manganese	ppm	ASTM D5185m	0	0	<1	<1
	Magnesium	ppm	ASTM D5185m	<1	8	0	2
	Calcium	ppm	ASTM D5185m		25	11	33
	Phosphorus	ppm	ASTM D5185m		2281	2289	2517
	Zinc	ppm	ASTM D5185m		13	2	16
	Sulfur	ppm	ASTM D5185m		52083	26363	35939
Papart Id: ADVCED IMI ICCADI 06150727 (Caparated: 04/19/2024 20:10:10) Pays 1	Visc @ 40°C	cSt	ASTM D445		188	188	180











Certificate L2367

Laboratory Sample No.

Lab Number : 06150727

: DJJ0019065

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

Tested

Unique Number : 10980805 Diagnosed : 18 Apr 2024 - Don Baldridge Test Package : CONST

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.

Contact: SCOTT TUTTLE scott.tuttle@advantagerecycling.com

ADVANTAGE METALS RECYCLING - SEDALIA

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

: 16 Apr 2024

: 17 Apr 2024

T: (660)827-1873 F: (660)827-5304

300 N IRON AVE

SEDALIA, MO

US 65301