

# **OIL ANALYSIS REPORT**









# Machine Id LIEBHERR LH50M 147036

Component Rear Axle

Fluid GEAR OIL SAE 80W90 (

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

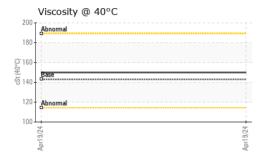
## **Fluid Condition**

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

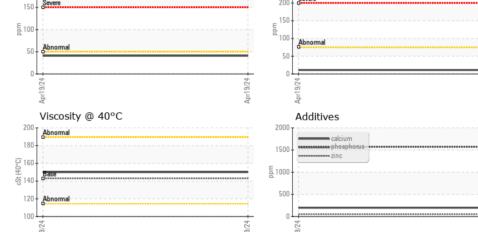
Sample Number         Client Info         PCA0100580	( GAL)				Apr2024		
Sample Date   Client Info   19 Apr 2024	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Machine Age   hrs   Client Info   1080	Sample Number		Client Info		PCA0100580		
Dit   Changed   Client Info   Changed   Chan	Sample Date		Client Info		19 Apr 2024		
Client Info	Machine Age	hrs	Client Info		1080		
CONTAMINATION   method   limit/base   current   history1   histo	Dil Age	hrs	Client Info		1080		
CONTAMINATION         method         limit/base         current         history1         history1           Water         WC Method         >0.2         NEG	Dil Changed		Client Info		Changed		
WEAR METALS	Sample Status				NORMAL		
WEAR METALS         method         limit/base         current         history1         history1           fon         ppm         ASTM D5185m         >500         32             chromium         ppm         ASTM D5185m         >10         0             clickel         ppm         ASTM D5185m         25         1             cluminum         ppm         ASTM D5185m         >50         41             cead         ppm         ASTM D5185m         >10         0             clin         ppm         ASTM D5185m         >10         0             clandium         ppm         ASTM D5185m         400         16 <t< td=""><td>CONTAMINAT</td><td>ION</td><td>method</td><td>limit/base</td><td>current</td><td>history1</td><td>history2</td></t<>	CONTAMINAT	ION	method	limit/base	current	history1	history2
Con	Vater		WC Method	>0.2	NEG		
ASTM D5185m   10   0                 Silver   ppm   ASTM D5185m   >10   0             Silver   ppm   ASTM D5185m   >20           Silver   ppm   ASTM D5185m   >25   1           Silver   ppm   ASTM D5185m   >25   1           Silver   ppm   ASTM D5185m   >25   1           Silver   ppm   ASTM D5185m   >25   <1           Silver   ppm   ASTM D5185m   >25   <1           Silver   ppm   ASTM D5185m   >50   41           Silver   ppm   ASTM D5185m   >50   41           Silver   ppm   ASTM D5185m   >50   41           Silver   ppm   ASTM D5185m   0           Silver   ppm   ASTM D5185m   0           ADDITIVES   method   limit/base   current   history1   history1       Silver   ppm   ASTM D5185m   12   4           Magnaese   ppm   ASTM D5185m   12   4           Magnaese   ppm   ASTM D5185m   12   0           Silver   ppm   ASTM D5185m   150   197           Silver   ppm   ASTM D5185m   125   52           Silver   ppm   ASTM D5185m   22500   23954           Silver   ppm   ASTM D5185m   >75   11           Silver   ppm   ASTM D5185m   >170   3           Silver   ppm   ASTM D5185m   >10   NONE           Silver   ppm   ASTM D5185m   >	WEAR METAL	S	method	limit/base	current	history1	history2
	on	ppm	ASTM D5185m	>500	32		
Description	hromium	ppm	ASTM D5185m	>10	0		
ASTM D5185m   D	lickel		ASTM D5185m	>10	0		
	itanium		ASTM D5185m		0		
ASTM D5185m   >25					0		
Part	luminum		ASTM D5185m	>25	1		
opper         ppm         ASTM D5185m         >50         41             sin         ppm         ASTM D5185m         >10         0             anadium         ppm         ASTM D5185m         0             admium         ppm         ASTM D5185m         0             ADDITIVES         method         limit/base         current         history1         history1           ADDITIVES         method         limit/base         current         history1         history1 <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td>					-		
ASTM D5185m   D							
Anadium	• •						
Addrium         ppm         ASTM D5185m         0				710			
ADDITIVES							
Doron		ррш		limit/bass			history2
Astalog		222					· ·
Molybdenum					_		
ASTM D5185m   2							
Astmorphism   12   0	-			12			
Astm   DS185m   150   197	•			10			
hosphorus	-						
Description		ppm			-		
contraction         ppm         ASTM D5185m         22500         23954             contraction         ppm         ASTM D5185m         >75         11             odium         ppm         ASTM D5185m         >170         3             otassium         ppm         ASTM D5185m         >20         2             VISUAL         method         limit/base         current         history1         history2		ppm			_		
CONTAMINANTS         method         limit/base         current         history1         history1           ilicon         ppm         ASTM D5185m         >75         11             odium         ppm         ASTM D5185m         >170         3             otassium         ppm         ASTM D5185m         >20         2             VISUAL         method         limit/base         current         history1         history2		ppm	ASTM D5185m	125	52		
Ilicon			ASTM D5185m	22500	23954		
odium         ppm         ASTM D5185m         >170         3             otassium         ppm         ASTM D5185m         >20         2             VISUAL         method         limit/base         current         history1         history1           Initer Metal         scalar         *Visual         NONE         NONE             ellow Metal         scalar         *Visual         NONE         NONE             recipitate         scalar         *Visual         NONE         NONE             ilt         scalar         *Visual         NONE         NONE             ebris         scalar         *Visual         NONE         NONE             and/Dirt         scalar         *Visual         NORML         NORML             dor         scalar         *Visual         NORML         NORML	CONTAMINAN	NTS	method	limit/base	current	history1	history2
VISUAL         method         limit/base         current         history1         history1           //hite Metal         scalar         *Visual         NONE         NONE             ellow Metal         scalar         *Visual         NONE         NONE             recipitate         scalar         *Visual         NONE         NONE             ilt         scalar         *Visual         NONE         NONE             ebris         scalar         *Visual         NONE         NONE             and/Dirt         scalar         *Visual         NORML         NORML             dor         scalar         *Visual         NORML         NORML	ilicon	ppm	ASTM D5185m	>75	11		
VISUAL method limit/base current history1 history1  /hite Metal scalar *Visual NONE NONE ellow Metal scalar *Visual NONE NONE recipitate scalar *Visual NONE NONE ilt scalar *Visual NONE NONE ebris scalar *Visual NONE NONE and/Dirt scalar *Visual NONE NONE scalar *Visual NONE NONE and/Dirt scalar *Visual NORML NORML	odium	ppm	ASTM D5185m	>170	3		
White Metal         scalar         *Visual         NONE         NONE             fellow Metal         scalar         *Visual         NONE         NONE             recipitate         scalar         *Visual         NONE         NONE             ilt         scalar         *Visual         NONE         NONE             rebris         scalar         *Visual         NONE         NONE             and/Dirt         scalar         *Visual         NORML         NORML             ppearance         scalar         *Visual         NORML         NORML             dor         scalar         *Visual         NORML         NORML	otassium	ppm	ASTM D5185m	>20	2		
rellow Metal scalar *Visual NONE NONE recipitate scalar *Visual NONE NONE iilt scalar *Visual NONE NONE pebris scalar *Visual NONE NONE and/Dirt scalar *Visual NONE NONE ppearance scalar *Visual NORML NORML dor scalar *Visual NORML NORML	VISUAL		method	limit/base	current	history1	history2
	hite Metal	scalar	*Visual	NONE	NONE		
ilt scalar *Visual NONE NONE ebris scalar *Visual NONE NONE and/Dirt scalar *Visual NONE NONE ppearance scalar *Visual NORML NORML dor scalar *Visual NORML NORML	ellow Metal	scalar	*Visual	NONE	NONE		
ebris scalar *Visual NONE NONE and/Dirt scalar *Visual NONE NONE ppearance scalar *Visual NORML NORML dor scalar *Visual NORML NORML	recipitate	scalar	*Visual	NONE	NONE		
and/Dirt scalar *Visual NONE NONE ppearance scalar *Visual NORML NORML dor scalar *Visual NORML NORML	ilt	scalar	*Visual	NONE	NONE		
ppearance scalar *Visual NORML NORML	ebris	scalar	*Visual	NONE	NONE		
ppearance scalar *Visual NORML NORML	and/Dirt	scalar	*Visual	NONE	NONE		
dor scalar *Visual NORML NORML	ppearance		*Visual	NORML	NORML		
ree Water scalar *Visual NEG				-			



## **OIL ANALYSIS REPORT**









Certificate 12367

Laboratory Sample No.

: PCA0100580 Lab Number : 06174317

Unique Number : 11020370 Test Package : MOB 1

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

: 09 May 2024 : 10 May 2024 **Tested** Diagnosed : 10 May 2024 - Wes Davis

**EQUIPMENT MANAGEMENT SERVICES** 11042 WICKER AVE CEDAR LAKE, IN

US 46303 Contact: TIM tim@equipmanagement.com

T: (219)670-7876

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)