

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id LIEBHERR LH50 142548-1216 Component

Front Right Wheel Hub

GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

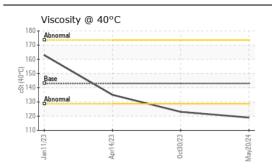
FLUID CONDITION

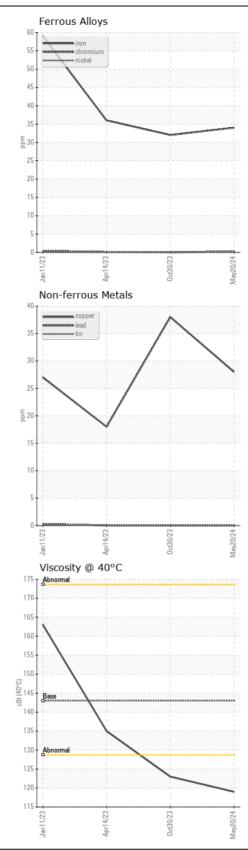
The condition of the oil is acceptable for the time in service.

/	
Test UOM Method Limit/Abn Current History1 H	History2
Sample Number Client Info LH0264762 LH0272483 L	LH0254790
Sample Date Client Info 20 May 2024 30 Oct 2023	14 Apr 2023
Machine Age hrs Client Info 3013 1993	1008
Oil Age hrs Client Info 0 0	0
Filter Age hrs Client Info 0 0	0
Oil Changed Client Info Changed Changed Changed	Changed
Filter Changed Client Info N/A N/A	N/A
Sample Status NORMAL NORMAL	NORMAL
Iron ppm ASTM D5185m >325 34 32	36
	<1
	0
	<1
	< 1
	0
	0
Copper ppm ASTM D5185m >75 28 38 Time ASTM D5185m 2 0 0 0	18
Tin ppm ASTM D5185m >3 0 0 Verse slives asses ASTM D5185m >3 0 0	0
Vanadium ppm ASTM D5185m 0 0 With Matel page x Visual NONE NONE NONE	<1
White Metal scalar *Visual NONE NONE NONE	MODER
Yellow Metal scalar *Visual NONE NONE MODER	NONE
Silicon ppm ASTM D5185m >75 4 5	8
Potassium ppm ASTM D5185m >20 0 0	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
Sodium ppm ASTM D5185m >170 3 5	3
	0
Boron ppm ASTM D5185m 400 0 0	3
Boron ppm ASIM D5185m 400 0 0 Barium ppm ASTM D5185m 200 0 0	
	3
Barium ppm ASTM D5185m 200 0 0	3 0
Barium ppm ASTM D5185m 200 0 0 Molybdenum ppm ASTM D5185m 12 2 0	3 0 1
Barium ppm ASTM D5185m 200 0 0 Molybdenum ppm ASTM D5185m 12 2 0 Manganese ppm ASTM D5185m 2 2	3 0 1 2
Barium ppm ASTM D5185m 200 0 0 Molybdenum ppm ASTM D5185m 12 2 0 Manganese ppm ASTM D5185m 12 2 2 Magnesium ppm ASTM D5185m 12 2 2 Magnesium ppm ASTM D5185m 12 5 14	3 0 1 2 6
Barium ppm ASTM D5185m 200 0 0 Molybdenum ppm ASTM D5185m 12 2 0 0 Manganese ppm ASTM D5185m 12 2 2 2 Magnesium ppm ASTM D5185m 12 5 14 Calcium ppm ASTM D5185m 150 52 34	3 0 1 2 6 40
Barium ppm ASTM D5185m 200 0 0 Molybdenum ppm ASTM D5185m 12 2 0 0 Manganese ppm ASTM D5185m 12 2 2 2 Magnesium ppm ASTM D5185m 12 5 14 Calcium ppm ASTM D5185m 150 52 34 Phosphorus ppm ASTM D5185m 1650 916 719	3 0 1 2 6 40 948

Report Id: LEC0008 [WUSCAR] 06191357 (Generated: 05/30/2024 12:18:33) Rev: 1

Contact/Location: CHRIS BARTNIK - LEC0008





AMERICAN STATE EQUIPMENT CO. 2400 NORTH 14TH AVENUE WAUSAU, WI avis US 54401 Contact: CHRIS BARTNIK cbartnik@amstate.com T: (715)675-6900

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 Unique Number
 : 11048109
 Diagnosed
 : 28 May 2024 - Wes Davis

 Certificate 12367
 Test Package
 : CONST
 Contact

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 cba

 * - 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)

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

Received

Tested

: 24 May 2024

: 28 May 2024

Laboratory

Sample No.

Lab Number : 06191357

: LH0264762

Contact/Location: CHRIS BARTNIK - LEC0008 Page 2 of 2