

WEAR **SEVERE** CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id

LIEBHERR A934C 065595-1007

Front Left Wheel Hub

GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

CONTAMINATION

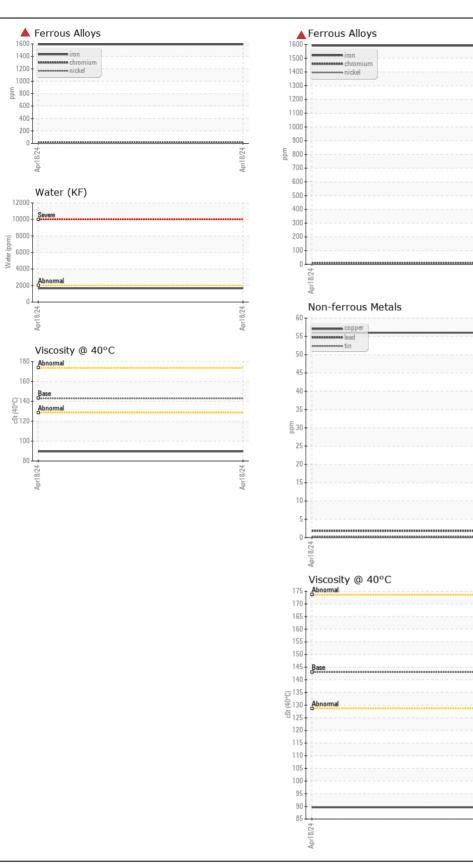
The water content is negligible. There is no indication of any contamination in the oil.

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0267141		
Sample Date		Client Info		18 Apr 2024		
Machine Age	hrs	Client Info		55376		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Filter Changed		Client Info		Not Changd		
Sample Status				SEVERE		
Iron	ppm	ASTM D5185m	>500	1 592		
Chromium	ppm	ASTM D5185m	>4	1 0		
Nickel	ppm	ASTM D5185m	>3	3		
Titanium	ppm	ASTM D5185m		1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>15	5		
Lead	ppm	ASTM D5185m	>4	2		
Copper	ppm	ASTM D5185m	>100	56		
Tin	ppm	ASTM D5185m	>3	<1		
Vanadium	ppm	ASTM D5185m		<1		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>65	31		
Potassium	ppm	ASTM D5185m	>20	10		
Water	%	ASTM D6304	>0.2	0.166		
ppm Water	ppm	ASTM D6304	>2000	1660		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	0.2%		
Sodium	ppm	ASTM D5185m	>170	8		
Boron	ppm	ASTM D5185m	400	15		
Barium	ppm	ASTM D5185m	200	2		
Molybdenum	ppm	ASTM D5185m	12	3		
Manganese	ppm	ASTM D5185m		17		
Magnesium	ppm	ASTM D5185m	12	8		
Calcium	ppm	ASTM D5185m	150	696		
Phosphorus	ppm	ASTM D5185m	1650	1311		
Zinc	ppm	ASTM D5185m	125	321		
Sulfur	ppm	ASTM D5185m	22500	20514		
Visc @ 40°C	cSt	ASTM D445	143	89.6		

Contact/Location: MARK SNYDER - DOMWAU



DOMTAR PULP AND PAPER Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received 301 POINT BASSE AVE : LH0267141 : 24 Apr 2024 Lab Number : 06159920 Tested NEKOOSA, WI : 25 Apr 2024 Unique Number : 10995343 : 26 Apr 2024 - Sean Felton US 54457 Diagnosed Test Package : CONST (Additional Tests: KF) Contact: MARK SNYDER Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. mark.snyder@domtar.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (715)675-6900 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (715)675-9748

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Contact/Location: MARK SNYDER - DOMWAU Page 2 of 2