

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A924C056977-1049 - Front Differential

Sample No: LH06132476

Oil Type: GEAR OIL SAE 80W90



RECO EQUIPMENT INC.
1615 JP HENESSY DRIVE
LAVERGNE, TN
US 37086
Contact: KEN FISCHER

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F:

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



Sample Information

Sample Number	LH06132476	LHMC79105	LH03109733	---
Sample Date	21 Mar 2024	05 Oct 2016	23 Jul 2012	---
Machine Hours	16385	10210	2162	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Not Changd	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---



Oil Condition

Visc @ 40°C	cSt	140	111.9	155.9	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	34	<1	3	---
Sodium	ppm	3	2	3	---
Potassium	ppm	6	<1	<1	---



Wear Metals

Iron	ppm	47	5	11	---
Copper	ppm	2	1	4	---
Lead	ppm	0	1	0	---
Tin	ppm	<1	2	0	---
Aluminum	ppm	15	0	<1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	0	<1	0	---
Nickel	ppm	1	<1	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	1	<1	<1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	79	7	340	---
Magnesium	ppm	6	0	<1	---
Zinc	ppm	7	6	150	---
Phosphorus	ppm	284	1222	1776	---
Barium	ppm	0	0	3	---
Boron	ppm	12	143	9	---

Depot: RECLAV
Unique No: 10951941
Signed: Sean Felton
Report Date: 02 Apr 2024



Graphs

