

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934 038332-1006 - Gearbox

Sample No: VCE212621

Oil Type: NOT GIVEN



AMERICAN STATE EQUIPMENT CO.
 2400 NORTH 14TH AVENUE
 WAUSAU, WI
 US 54401
 Contact: CHRIS BARTNIK
 cbartnik@amstate.com
 T: (715)675-6900
 F: (715)675-9748



SAMPLE INFORMATION

Sample Number	VCE212621	DJJ009260	DJJ008634	---
Sample Date	01 May 2019	23 Jan 2013	28 Mar 2012	---
Machine Hours	13156	7377	6219	---
Oil Hours	0	500	500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	90.2	117.0	133.9	---
-------------	-----	------	-------	-------	-----



CONTAMINATION

Silicon	ppm	8	34	41	---
Sodium	ppm	1	<1	2	---
Potassium	ppm	21	2	0	---



WEAR METALS

Iron	ppm	75	216	229	---
Copper	ppm	<1	<1	1	---
Lead	ppm	3	1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	5	5	9	---
Chromium	ppm	1	3	3	---
Molybdenum	ppm	0	0	2	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	2	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	24	56	60	---
Magnesium	ppm	3	2	3	---
Zinc	ppm	74	50	52	---
Phosphorus	ppm	528	631	788	---
Barium	ppm	0	<1	0	---
Boron	ppm	5	66	68	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 8618283
 Signed: Jonathan Hester
 Report Date: 05 Jun 2019



GRAPHS

