

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A918 110890-1184 - Transmission (Auto)

Sample No: LH05965786

Oil Type: DIESEL ENGINE OIL 10W40



UNITED SCRAP
1545 S CICERO AVE
CHICAGO, IL
US 60804
Contact:

T:
F:



SAMPLE INFORMATION

Sample Number	LH05965786	---	---	---
Sample Date	16 Sep 2023	---	---	---
Machine Hours	3968	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	65.1	---	---	---
-------------	-----	------	-----	-----	-----



CONTAMINATION

Silicon	ppm	4	---	---	---
Sodium	ppm	19	---	---	---
Potassium	ppm	3	---	---	---



WEAR METALS

Iron	ppm	12	---	---	---
Copper	ppm	32	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	11	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	3695	---	---	---
Magnesium	ppm	13	---	---	---
Zinc	ppm	1226	---	---	---
Phosphorus	ppm	1068	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	130	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Moderate concentration of visible metal present. All component wear rates are normal. There is a moderate amount of visible silt present in the sample. The condition of the fluid is acceptable for the time in service.

Depot: UNICHILH
Unique No: 10672337
Signed: Don Baldrige
Report Date: 05 Oct 2023



GRAPHS

