

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LR1250.1 LH35298 (S/N 135.298) - Rear Gearbox

Sample No: LH0258467

Oil Type: SAE 30W



KINDER MORGAN
 4301 IVERSON
 TRINITY, AL
 US 35601
 Contact: RICKY JOHNSON
 ricky_johnson@kindermorgan.com
 T:
 F: (256)355-5250



Sample Information

Sample Number	LH0258467	---	---	---
Sample Date	16 Apr 2024	---	---	---
Machine Hours	3348	---	---	---
Oil Hours	1311	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	171	---	---	---
-------------	-----	-----	-----	-----	-----



Contamination

Water	%	NEG	---	---	---
Silicon	ppm	2	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	0	---	---	---



Wear Metals

Iron	ppm	274	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	4	---	---	---
Molybdenum	ppm	5	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	155	---	---	---
Magnesium	ppm	22	---	---	---
Zinc	ppm	164	---	---	---
Phosphorus	ppm	690	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	17	---	---	---

Diagnosis

Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot: KINTRI
Unique No: 11031836
Signed: Don Baldrige
Report Date: 17 May 2024

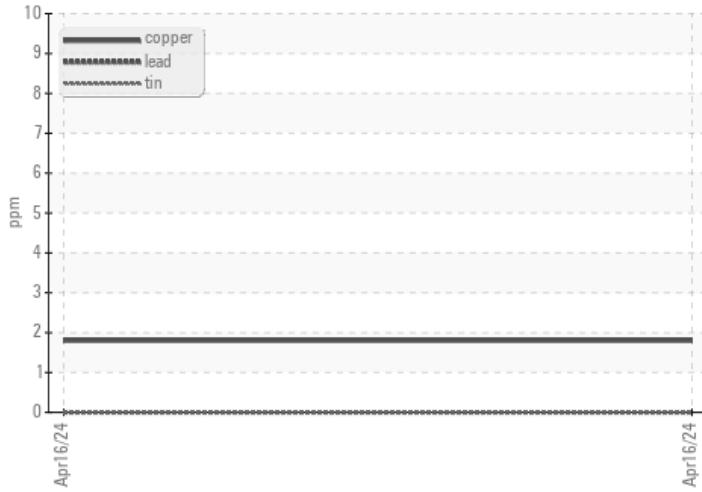


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

