

LIEBHERR

CONSTRUCTION EQUIPMENT



[(363347)] LIEBHERR R934 054150-1550 - Diesel Engine

Sample No: LH0218927

Oil Type: DIESEL ENGINE OIL SAE 30



SAMPLE INFORMATION

Sample Number	LH0218927	LH0218919	---	---
Sample Date	13 Jul 2023	22 Sep 2022	---	---
Machine Hours	1040	468	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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 3733 CARP ROAD
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OIL CONDITION

Visc @ 100°C	cSt	11.7	11.9	---	---
Oxidation (PA)	%	73	203	---	---



CONTAMINATION

Soot %	%	0	0	---	---
Nitration (PA)	%	78	102	---	---
Sulfation (PA)	%	65	110	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	1	---	---
Silicon	ppm	8	10	---	---
Sodium	ppm	2	3	---	---
Potassium	ppm	2	3	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 30. Please confirm.
 All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	7	11	---	---
Copper	ppm	19	108	---	---
Lead	ppm	1	6	---	---
Tin	ppm	<1	1	---	---
Aluminum	ppm	2	3	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	16	42	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	36	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1873	1385	---	---
Magnesium	ppm	342	909	---	---
Zinc	ppm	1089	848	---	---
Phosphorus	ppm	960	748	---	---
Barium	ppm	4	30	---	---
Boron	ppm	34	83	---	---

Depot: KAR373CAR
Unique No: 5630943
Signed: Wes Davis
Report Date: 24 Aug 2023



GRAPHS

