

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 033192 - Splitter Box

Sample No: LH0277520

Oil Type: GEAR OIL SAE 75W90



Sample Information

Sample Number	LH0277520	LH0276125	LH0247082	LH0239361
Sample Date	20 Nov 2023	14 Sep 2023	01 Dec 2022	30 Sep 2022
Machine Hours	19190	18717	17286	16970
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	SEVERE	NORMAL

WATERFORD SAND & GRAVEL
 10546 ON-3
 WAINFLEET, ON
 CA L0S 1V0
 Contact: Service Manager



Oil Condition

Visc @ 40°C	cSt	91.5	89.3	88.8	91.8

T:
F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	12	10	3
Sodium	ppm	9	15	<1	1
Potassium	ppm	<1	1	<1	0

Diagnosis

Resample at the next service interval to monitor. 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

PQ		---	---	237	---
Iron	ppm	77	68	2984	15
Copper	ppm	<1	5	3	1
Lead	ppm	<1	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	2	<1
Chromium	ppm	<1	<1	62	0
Molybdenum	ppm	0	<1	5	<1
Nickel	ppm	0	<1	1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	20	<1
Vanadium	ppm	0	0	2	0



Additives

Calcium	ppm	29	70	19	57
Magnesium	ppm	11	13	4	3
Zinc	ppm	33	75	52	35
Phosphorus	ppm	1222	1179	1289	1346
Barium	ppm	10	14	0	<1
Boron	ppm	308	238	287	277

Depot: WATWAI
 Unique No: 5683065
 Signed: Wes Davis
 Report Date: 21 Nov 2023



Graphs

