

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L538P 046205-1559 - Front Differential

Sample No: LH0271477

Oil Type: SAE 75W90



SAMPLE INFORMATION

Sample Number	LH0271477	LH0234723	LH	LH0167976
Sample Date	25 Jul 2023	27 Jul 2022	07 Apr 2021	22 Aug 2020
Machine Hours	5955	5088	0	3000
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

LES INDUSTRIES MAIBEC INC.

340 ROUTE 173
ST-THEOPHILLE, QC
CA G0M 2A0

Contact: Yvan Bisson
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F:



OIL CONDITION

Visc @ 40°C	cSt	91.9	97.6	94.8	90.6
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CONTAMINATION

Silicon	ppm	18	2	2	6
Sodium	ppm	2	2	<1	2
Potassium	ppm	<1	<1	<1	1



WEAR METALS

Iron	ppm	77	33	44	167
Copper	ppm	<1	0	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	0	1	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	14	8	12	13
Magnesium	ppm	2	2	1	2
Zinc	ppm	28	8	6	11
Phosphorus	ppm	3817	2117	3018	3578
Barium	ppm	0	0	0	<1
Boron	ppm	302	274	295	310

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.

Depot: LESSTT

Unique No: 5618303

Signed: Wes Davis

Report Date: 31 Jul 2023



GRAPHS

