

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 068511-1761 - Front Differential

Sample No: LH0291011

Oil Type: GEAR OIL SAE 80W90



Information sur l'échantillon

Numéro d'échant.	LH0291011	LH0261349	LH0256857	---
Date d'échant.	10 Jun 2024	24 May 2023	04 Apr 2023	---
Heures de la Machine	3246	1041	700	---
Heures de l'huile	0	0	0	---
Huile changée	Changed	Changed	Changed	---
Statut de l'échant.	ABNORMAL	NORMAL	NORMAL	---

MILLER PAVING LTD.

P.O BOX 4080, 505 MILLER AVE.
 MARKHAM, ON
 CA L6G 1B2
 Contact: Rob Graham
 rob.graham@millergroup.ca
 T: (905)475-6660
 F: (905)475-1086



État d'huile

Visc 40°C	cSt	105	111	194	---
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Contamination

Eau	%	NEG	NEG	NEG	---
Silicium	ppm	12	7	27	---
Sodium	ppm	5	3	9	---
Potassium	ppm	1	<1	0	---



Métaux d'usure

Fer	ppm	286	81	219	---
Cuivre	ppm	176	51	114	---
Plomb	ppm	4	1	3	---
Étain	ppm	17	3	8	---
Aluminium	ppm	1	<1	3	---
Chrome	ppm	2	<1	2	---
Molybdène	ppm	0	0	<1	---
Nickel	ppm	<1	<1	2	---
Titane	ppm	0	0	<1	---
Argent	ppm	0	0	0	---
Manganèse	ppm	18	12	61	---
Vanadium	ppm	0	0	<1	---



Additifs

Calcium	ppm	8	6	13	---
Magnésium	ppm	2	2	4	---
Zinc	ppm	65	20	34	---
Phosphore	ppm	2270	2557	2406	---
Baryum	ppm	<1	0	0	---
Bore	ppm	208	232	3	---

Diagnostic

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Tin ppm levels are abnormal. An increase in the copper level is noted. Thrust washer and/or bearing/bushing wear is indicated. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: MIL408MAR2
 Unique No: 5798769
 Signed: Kevin Marson
 Report Date: 12 Jun 2024



Graphs

