

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 053143-1334 - Front Differential

Sample No: LH0291233

Oil Type: LIEBHERR GEAR BASIC 90 LS



Information sur l'échantillon

Número d'échant.	LH0291233	LH0225804	LH0251338	LH0234767
Date d'échant.	20 Jun 2024	21 Sep 2023	09 Jan 2023	28 Jul 2022
Heures de la Machine	5171	4021	2980	2020
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	N/A
Statut de l'échant.	NORMAL	NORMAL	NORMAL	ABNORMAL

WILLIS KERR CONTRACTING
 1088 COUNTY ROAD 1
 OSGOODE, ON
 CA K0A 2W0
 Contact: Service Manager



État d'huile

Visc 40°C	cSt	118	179	164	115
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T:
F:



Contamination

Eau	%	NEG	NEG	NEG	NEG
Silicium	ppm	4	4	7	11
Sodium	ppm	6	1	2	11
Potassium	ppm	<1	0	<1	1

Diagnostic

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.



Métaux d'usure

Fer	ppm	97	54	133	281
Cuivre	ppm	25	26	30	77
Plomb	ppm	<1	<1	<1	3
Étain	ppm	1	<1	1	4
Aluminium	ppm	<1	<1	<1	1
Chrome	ppm	<1	<1	1	3
Molybdène	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	1
Titane	ppm	0	0	0	0
Argent	ppm	0	<1	0	0
Manganèse	ppm	2	1	4	18
Vanadium	ppm	0	0	0	<1



Additifs

Calcium	ppm	13	9	17	15
Magnésium	ppm	2	<1	2	4
Zinc	ppm	29	38	51	71
Phosphore	ppm	2582	2291	2403	2615
Baryum	ppm	0	<1	0	0
Bore	ppm	159	22	54	161

Depot: WILMOU
 Unique No: 5801008
 Signed: Kevin Marson
 Report Date: 21 Jun 2024



Graphs

