



LIEBHERR L546 054052-1560 - Front Left Wheel Hub

Sample No: LH0169006

Oil Type: GEAR OIL SAE 75W90



Information sur l'échantillon

Número d'échant.	LH0169006	LH0169032	LH0169019	LH0168993
Date d'échant.	11 Jun 2024	10 Jan 2023	15 Sep 2022	14 Jun 2021
Heures de la Machine	7137	4988	4420	2095
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Not Changd	Changed
Statut de l'échant.	ABNORMAL	ABNORMAL	ABNORMAL	NORMAL

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État d'huile

Visc 40°C	cSt	109	122	122	106



Contamination

Eau	%	NEG	NEG	NEG	NEG
Silicium	ppm	<1	5	1	8
Sodium	ppm	2	2	2	2
Potassium	ppm	4	5	4	<1



Métaux d'usure

PQ		0	0	0	---
Fer	ppm	528	769	494	54
Cuivre	ppm	<1	<1	<1	<1
Plomb	ppm	0	0	0	<1
Étain	ppm	0	0	0	0
Aluminium	ppm	<1	1	<1	<1
Chrome	ppm	6	9	6	<1
Molybdène	ppm	<1	0	0	<1
Nickel	ppm	<1	1	<1	<1
Titane	ppm	0	0	0	0
Argent	ppm	0	0	0	<1
Manganèse	ppm	3	6	4	1
Vanadium	ppm	0	<1	0	0



Additifs

Calcium	ppm	12	8	6	18
Magnésium	ppm	6	<1	<1	1
Zinc	ppm	12	14	12	12
Phosphore	ppm	582	835	706	1127
Baryum	ppm	0	0	0	<1
Bore	ppm	3	6	5	7

Diagnostic

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: MOOPAL
 Unique No: 5812306
 Signed: Kevin Marson
 Report Date: 10 Jul 2024



Graphs

