

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 145111-1217 - Swing Drive

Sample No: LH0296539

Oil Type: GEAR OIL SAE 80W90



Information sur l'échantillon

Número d'échant.	LH0296539	LH0285000	LH0266082	LH0261404
Date d'échant.	07 Jul 2024	12 Feb 2024	20 Jun 2023	27 Apr 2023
Heures de la Machine	4008	2972	1188	558
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	NORMAL	NORMAL	NORMAL	NORMAL

RAM IRON AND METAL

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État d'huile

Visc 40°C	cSt	104	104	121	177



Contamination

Eau	%	NEG	NEG	NEG	NEG
Silicium	ppm	3	1	1	<1
Sodium	ppm	<1	0	2	3
Potassium	ppm	<1	<1	<1	<1



Métaux d'usure

Fer	ppm	27	58	145	157
Cuivre	ppm	15	17	28	26
Plomb	ppm	0	<1	<1	<1
Étain	ppm	0	<1	<1	<1
Aluminium	ppm	<1	<1	<1	<1
Chrome	ppm	0	<1	1	<1
Molybdène	ppm	0	0	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titane	ppm	0	0	0	0
Argent	ppm	<1	0	0	0
Manganèse	ppm	<1	0	1	2
Vanadium	ppm	0	0	0	0



Additifs

Calcium	ppm	15	16	16	17
Magnésium	ppm	2	2	2	<1
Zinc	ppm	11	10	12	9
Phosphore	ppm	1211	1264	1637	2402
Baryum	ppm	<1	0	4	4
Bore	ppm	304	314	200	2

Diagnostic

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: RAMTOR
Unique No: 5811933
Signed: Wes Davis
Report Date: 09 Jul 2024



Graphs

