

LIEBHERR

CONSTRUCTION EQUIPMENT



056255-1007 - Swing Drive

Sample No: LH0292222

Oil Type: LIEBHERR GEAR BASIC 90 LS



Information sur l'échantillon

Número d'échant.	LH0292222	LH0235496	LH0133032	LHP0014664
Date d'échant.	26 Jun 2024	27 Jun 2022	24 Oct 2018	01 Dec 2011
Heures de la Machine	17524	0	14295	778
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	ABNORMAL	ABNORMAL	SEVERE	NORMAL

American Iron and Metal

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État d'huile

Visc 40°C	cSt	102	139	137	179



Contamination

Eau	%	NEG	NEG	1.089	NEG
Silicium	ppm	<1	2	2	<1
Sodium	ppm	<1	<1	0	4
Potassium	ppm	<1	<1	<1	1



Métaux d'usure

Fer	ppm	311	326	532	131
Cuivre	ppm	61	198	135	35
Plomb	ppm	2	7	4	2
Étain	ppm	3	24	1	0
Aluminium	ppm	<1	<1	<1	<1
Chrome	ppm	2	2	5	<1
Molybdène	ppm	0	<1	<1	0
Nickel	ppm	<1	0	<1	0
Titane	ppm	0	0	0	0
Argent	ppm	<1	0	0	0
Manganèse	ppm	2	3	4	2
Vanadium	ppm	0	0	0	0



Additifs

Calcium	ppm	17	25	5	32
Magnésium	ppm	4	4	1	<1
Zinc	ppm	22	72	28	24
Phosphore	ppm	1175	1939	389	1978
Baryum	ppm	<1	<1	0	15
Bore	ppm	49	9	9	19

Diagnostic

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate concentration of water present in the oil. Free water present. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. The oil is no longer serviceable due to the presence of contaminants.

Depot: AMEMON
Unique No: 5802837
Signed: Kevin Marson
Report Date: 03 Jul 2024



Graphs

