

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 036436 - Splitter Box

Sample No: LH0090436

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0090436	LH0145380	LH0098733	---
Sample Date	21 Mar 2024	14 May 2020	27 Sep 2019	---
Machine Hours	7312	5805	4869	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

McCain Farms
P.O. Box 409
Bath, NB
CA E7J 2N2
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F:



Oil Condition

Visc @ 40°C	cSt	71.4	84.7	95.1	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	3	1	3	---
Sodium	ppm	2	0	0	---
Potassium	ppm	<1	<1	<1	---



Wear Metals

Iron	ppm	27	8	11	---
Copper	ppm	2	1	<1	---
Lead	ppm	0	<1	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	5	2	1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	281	100	61	---
Magnesium	ppm	74	30	16	---
Zinc	ppm	275	130	75	---
Phosphorus	ppm	1069	1260	1254	---
Barium	ppm	0	<1	<1	---
Boron	ppm	194	285	287	---

Diagnosis

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 80 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.

Depot: MCCBAT
Unique No: 5749878
Signed: Kevin Marson
Report Date: 26 Mar 2024



Graphs

