

LIEBHERR

CONSTRUCTION EQUIPMENT



[(360378)] LIEBHERR A918 134117-1508 - Rear Differential

Sample No: LH0216258

Oil Type: CHEVRON DELO SYNTHETIC GEAR 75W90



FAUBERT PRECISION CONTRACTING
 1394 194 STREET
 SURREY, BC
 CA V3Z 9R9
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0216258	LH0216245	LH0226790	---
Sample Date	06 Jan 2024	18 Nov 2022	28 Apr 2022	---
Machine Hours	2036	1007	529	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	96.2	92.1	65.3	---
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	2	2	7	---
Sodium	ppm	3	6	14	---
Potassium	ppm	<1	<1	2	---

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. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	27	13	22	---
Copper	ppm	7	7	7	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	3	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	278	820	2805	---
Magnesium	ppm	3	4	10	---
Zinc	ppm	106	324	1312	---
Phosphorus	ppm	1293	1325	1184	---
Barium	ppm	2	<1	2	---
Boron	ppm	187	247	110	---

Depot: FAUSUR
 Unique No: 5711117
 Signed: Wes Davis
 Report Date: 19 Jan 2024



GRAPHS

