



CONSTRUCTION EQUIPMENT

IAA VOLVO L90H 624427 - REAR AXLE



Sample No: VKC0001109
Oil Type: VOLVO WB 102
Job No: IAA



SAMPLE INFORMATION

Sample Number	VKC0001109	VKC0000306	---	---
Sample Date	22 Jan 2024	04 Apr 2022	---	---
Machine Hours	11367	8003	---	---
Oil Hours	0	1000	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

GW VAN KEPPEL CO

1801 NORTH 9TH ST
 KANSAS CITY, KS
 US 66110

Contact: TOBEY BARNHART

T:
 F: (913)281-4815



OIL CONDITION

Visc @ 40°C	cSt	43.7	41.6	---	---
-------------	-----	-------------	------	-----	-----



CONTAMINATION

Water	%	0.173	NEG	---	---
Silicon	ppm	20	12	---	---
Sodium	ppm	2	8	---	---
Potassium	ppm	1	<1	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	100	44	---	---
Copper	ppm	12	5	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	1	2	---	---
Aluminum	ppm	4	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	1	---	---
Nickel	ppm	<1	2	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	<1	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	3459	3204	---	---
Magnesium	ppm	24	20	---	---
Zinc	ppm	1436	1327	---	---
Phosphorus	ppm	1242	1173	---	---
Barium	ppm	0	0	---	---
Boron	ppm	106	107	---	---

Depot: GWVKAN
Unique No: 10882607
Signed: Wes Davis
Report Date: 16 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

