



# CONSTRUCTION EQUIPMENT

## A13026 - BOGIE/CENTER AXLE



**Sample No:** VCP439594  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:** A13026



### SAMPLE INFORMATION

Sample Number	<b>VCP439594</b>	VCP407485	VCP334673	VCP254484
Sample Date	<b>11 Jul 2024</b>	16 Jun 2023	18 Oct 2021	29 May 2020
Machine Hours	<b>11045</b>	10365	9890	9509
Oil Hours	<b>500</b>	500	2000	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**DYER QUARRY**  
P.O. BOX 188, 1275 ROCK HOLLOW ROAD  
BIRDSBORO, PA  
US 19508  
Contact: MATT MCCLELLAND  
matt.mcclelland@dyerquarry.com  
T:  
F: (610)582-2304



### OIL CONDITION

Visc @ 40°C	cSt	<b>295</b>	300	344	341
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>10</b>	9	14	14
Sodium	ppm	<b>&lt;1</b>	0	<1	4
Potassium	ppm	<b>2</b>	1	2	2

**Diagnosis**  
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.



### WEAR METALS

Iron	ppm	<b>84</b>	70	106	86
Copper	ppm	<b>3</b>	3	6	5
Lead	ppm	<b>&lt;1</b>	<1	<1	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>2</b>	0	2	2
Chromium	ppm	<b>&lt;1</b>	<1	1	1
Molybdenum	ppm	<b>&lt;1</b>	0	<1	0
Nickel	ppm	<b>&lt;1</b>	1	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>1</b>	<1	2	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>97</b>	37	175	22
Magnesium	ppm	<b>5</b>	4	7	5
Zinc	ppm	<b>52</b>	25	86	26
Phosphorus	ppm	<b>1141</b>	1092	944	779
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>185</b>	193	145	117

**Depot:** DYEBIR  
**Unique No:** 11125320  
**Signed:** Sean Felton  
**Report Date:** 17 Jul 2024



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## VOLVO GRAPHS

