



# CONSTRUCTION EQUIPMENT

MARTIN MARIETTA VOLVO A60H 340053 - REAR AXLE



**Sample No:** VCP366034  
**Oil Type:** CHEVRON DELO GEAR ESI OIL 80W90  
**Job No:** MARTIN MARIETTA



## SAMPLE INFORMATION

Sample Number	<b>VCP366034</b>	VCP366038D	VCP309346	VCP295970
Sample Date	<b>28 Aug 2023</b>	27 Aug 2023	17 May 2021	06 Mar 2021
Machine Hours	<b>7391</b>	7391	4220	3845
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	ATTENTION	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>134</b>	62.3	132	138
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## CONTAMINATION

Silicon	ppm	<b>11</b>	22	3	2
Sodium	ppm	<b>0</b>	0	2	2
Potassium	ppm	<b>2</b>	2	<1	7



## WEAR METALS

Iron	ppm	<b>103</b>	34	19	42
Copper	ppm	<b>&lt;1</b>	4	<1	<1
Lead	ppm	<b>&lt;1</b>	<1	0	<1
Tin	ppm	<b>0</b>	<1	<1	0
Aluminum	ppm	<b>2</b>	6	<1	<1
Chromium	ppm	<b>1</b>	<1	<1	1
Molybdenum	ppm	<b>&lt;1</b>	2	2	2
Nickel	ppm	<b>1</b>	<1	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	3	0
Manganese	ppm	<b>1</b>	<1	<1	2
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>32</b>	176	72	203
Magnesium	ppm	<b>2</b>	28	5	7
Zinc	ppm	<b>11</b>	363	29	88
Phosphorus	ppm	<b>989</b>	415	1011	903
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>196</b>	30	196	143

## 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 AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0088  
**Unique No:** 10660010  
**Signed:** Doug Bogart  
**Report Date:** 24 Sep 2023



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## GRAPHS

