



CONSTRUCTION EQUIPMENT - FRONT AXLE



Sample No: VCP446908
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP446908	VCP395828	---	---
Sample Date	06 Jun 2024	25 Feb 2023	---	---
Machine Hours	4000	2203	---	---
Oil Hours	0	1000	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ATTENTION	NORMAL	---	---

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 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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OIL CONDITION

Visc @ 40°C	cSt	49.1	49.4	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	6	5	---	---
Sodium	ppm	3	3	---	---
Potassium	ppm	7	3	---	---

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 oil viscosity is lower than normal. Confirm oil type.



WEAR METALS

Iron	ppm	322	342	---	---
Copper	ppm	6	2	---	---
Lead	ppm	4	0	---	---
Tin	ppm	1	0	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	4	5	---	---
Molybdenum	ppm	7	6	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	14	13	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	48	20	---	---
Magnesium	ppm	1	0	---	---
Zinc	ppm	28	13	---	---
Phosphorus	ppm	2220	2306	---	---
Barium	ppm	0	0	---	---
Boron	ppm	168	88	---	---

Depot: VOLVO0090
Unique No: 11074366
Signed: Don Baldrige
Report Date: 13 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

