



# CONSTRUCTION EQUIPMENT

## 662069 VOLVO A35F 10350 - DROP BOX



**Sample No:** VCP452448  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 662069



### SAMPLE INFORMATION

Sample Number	<b>VCP452448</b>	VCP297956	VCP148436	VCP179204
Sample Date	<b>01 Feb 2024</b>	18 Jun 2021	05 Sep 2019	24 Jan 2016
Machine Hours	<b>12432</b>	11179	10039	4079
Oil Hours	<b>4000</b>	1000	2000	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>ATTENTION</b>	NORMAL	NORMAL	ATTENTION

**RIPA AND ASSOCIATES**  
 10149 FISHER AVENUE  
 TAMPA, FL  
 US 33619  
 Contact: PM Services  
 PMServices@ripaconstruction.com  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>126</b>	303	276	100.0
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>15</b>	3	2	27
Sodium	ppm	<b>&lt;1</b>	<1	0	1
Potassium	ppm	<b>1</b>	0	<1	0



### WEAR METALS

Iron	ppm	<b>497</b>	18	25	60
Copper	ppm	<b>2</b>	<1	<1	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>9</b>	0	2	5
Chromium	ppm	<b>5</b>	<1	<1	<1
Molybdenum	ppm	<b>4</b>	2	4	0
Nickel	ppm	<b>5</b>	0	<1	<1
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	<1	<1	0
Manganese	ppm	<b>4</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>132</b>	155	136	144
Magnesium	ppm	<b>10</b>	8	8	5
Zinc	ppm	<b>343</b>	41	68	264
Phosphorus	ppm	<b>703</b>	916	873	573
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>85</b>	191	190	57

### Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. An increase in the iron level is noted. All other 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.

**Depot:** RIPTAM  
**Unique No:** 10901569  
**Signed:** Sean Felton  
**Report Date:** 01 Mar 2024



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## VOLVO GRAPHS

