



CONSTRUCTION EQUIPMENT

VOLVO A35F 10351 - FRONT AXLE



Sample No: VCP449078

Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5

Job No:



SAMPLE INFORMATION

Sample Number	VCP449078	VCP386237	VCP267634	VCP162215
Sample Date	02 Feb 2024	30 Nov 2022	10 Mar 2020	30 Dec 2015
Machine Hours	13818	13003	10928	4179
Oil Hours	0	500	2000	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES

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



OIL CONDITION

Visc @ 40°C	cSt	307	302	292	257.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	12	2	4	5
Sodium	ppm	0	0	1	3
Potassium	ppm	0	0	6	0

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Confirm oil type. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	71	6	27	72
Copper	ppm	0	0	<1	1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	<1	5
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	<1	3	2
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	2	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	129	93	79	237
Magnesium	ppm	6	7	3	11
Zinc	ppm	60	44	32	117
Phosphorus	ppm	1010	885	893	914
Barium	ppm	<1	0	0	<1
Boron	ppm	177	182	159	132

Depot: RIPTAM
Unique No: 10871395
Signed: Don Baldrige
Report Date: 11 Feb 2024



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GRAPHS

