



CONSTRUCTION EQUIPMENT

VOLVO A40G 352852 - FRONT AXLE



Sample No: VCP451190
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP451190	VCP393774	VCP364578	VCP357442
Sample Date	09 May 2024	10 Mar 2023	18 Aug 2022	01 Apr 2022
Machine Hours	5118	2973	1982	1061
Oil Hours	0	1000	500	1061
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	ATTENTION	ATTENTION	NORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
rturner@ripatampa.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	281	54.0	55.0	139
-------------	-----	------------	------	------	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	7	3	6
Sodium	ppm	<1	<1	<1	2
Potassium	ppm	0	2	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	41	497	186	361
Copper	ppm	<1	<1	1	2
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	2	<1	<1
Chromium	ppm	<1	7	2	5
Molybdenum	ppm	5	5	3	5
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	12	5	13
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	260	31	15	25
Magnesium	ppm	59	<1	<1	0
Zinc	ppm	168	5	10	10
Phosphorus	ppm	1027	2635	2268	2264
Barium	ppm	<1	0	0	0
Boron	ppm	217	257	236	222

Depot: RIPTAM
Unique No: 11030536
Signed: Wes Davis
Report Date: 15 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

