



CONSTRUCTION EQUIPMENT

VOLVO SD115B 236554 - REAR AXLE



Sample No: VCP414210
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP414210	VCP333370	VCP305204	VCP284184
Sample Date	31 Jul 2023	01 Feb 2022	22 Feb 2021	11 Jun 2020
Machine Hours	5182	4168	3174	2106
Oil Hours	0	1000	1000	1000
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	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	347	207	219	▲ 226
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CONTAMINATION

Silicon	ppm	1	4	0	4
Sodium	ppm	0	0	2	2
Potassium	ppm	<1	<1	0	0



WEAR METALS

Iron	ppm	2	40	22	47
Copper	ppm	0	3	3	<1
Lead	ppm	0	<1	<1	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	0	<1	0
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	2	1	1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	31	97	139	74
Magnesium	ppm	<1	15	17	7
Zinc	ppm	9	111	116	49
Phosphorus	ppm	1041	940	922	920
Barium	ppm	2	0	0	<1
Boron	ppm	210	41	72	73

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.

Depot: RIPTAM
Unique No: 10607522
Signed: Don Baldrige
Report Date: 18 Aug 2023



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GRAPHS

