



CONSTRUCTION EQUIPMENT

SPM453366 VOLVO SD115B 236555 - REAR AXLE



Sample No: VCP386097
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SPM453366



SAMPLE INFORMATION

Sample Number	VCP386097	VCP343531	VCP301513	VCP270577
Sample Date	14 Sep 2022	30 Nov 2021	18 Jan 2021	09 Mar 2020
Machine Hours	5481	4650	3328	2324
Oil Hours	500	1000	1000	1000
Oil Changed	Not Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
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OIL CONDITION

Visc @ 40°C	cSt	225	252	237	143
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	4	5	9
Sodium	ppm	<1	2	2	6
Potassium	ppm	1	0	1	<1

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	240	52	59	146
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	6	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	2	<1	<1	2
Molybdenum	ppm	2	3	<1	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	4	2	2	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	49	48	50	60
Magnesium	ppm	10	9	6	8
Zinc	ppm	156	49	41	43
Phosphorus	ppm	990	861	948	1211
Barium	ppm	0	0	0	2
Boron	ppm	103	97	75	64

Depot: RIPTAM
Unique No: 10141299
Signed: Jonathan Hester
Report Date: 22 Sep 2022



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GRAPHS

