



CONSTRUCTION EQUIPMENT

SPM453366 VOLVO SD115B 236555 - REAR LEFT FINAL DRIVE



Sample No: VCP386100
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SPM453366



SAMPLE INFORMATION

Sample Number	VCP386100	VCP332006	VCP301391	VCP264115
Sample Date	14 Sep 2022	30 Nov 2021	18 Jan 2021	09 Mar 2020
Machine Hours	5481	4650	3328	2324
Oil Hours	500	100	1000	1000
Oil Changed	Not Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

RIPA AND ASSOCIATES

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

Visc @ 40°C	cSt	230	258	239	▲ 135
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	4	5	9
Sodium	ppm	0	2	2	5
Potassium	ppm	1	0	7	1

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	292	60	88	241
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	2	<1	<1	2
Molybdenum	ppm	2	2	1	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	2	0	0
Manganese	ppm	6	2	2	8
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	61	34	56	61
Magnesium	ppm	9	9	5	9
Zinc	ppm	148	44	39	53
Phosphorus	ppm	961	843	953	1166
Barium	ppm	0	0	1	4
Boron	ppm	98	96	81	101

Depot: RIPTAM
Unique No: 10141266
Signed: Wes Davis
Report Date: 21 Sep 2022



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GRAPHS

