



CONSTRUCTION EQUIPMENT

SPM580384 VOLVO EC480 314333 - REAR RIGHT FINAL DRIVE



Sample No: VCP413203
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SPM580384



SAMPLE INFORMATION

Sample Number	VCP413203	VCP417689	VCP337685	VCP336764
Sample Date	31 Jul 2023	17 Jul 2023	13 Aug 2022	16 Nov 2021
Machine Hours	4068	4033	3256	2161
Oil Hours	0	0	0	2000
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	SEVERE	ABNORMAL	NORMAL

ORANGE COUNTY SOLID WASTE
 5901 YOUNG PINE ROAD
 ORLANDO, FL
 US 32829
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OIL CONDITION

Visc @ 40°C	cSt	309	297	290	247
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CONTAMINATION

Silicon	ppm	92	284	130	12
Sodium	ppm	0	1	0	0
Potassium	ppm	<1	<1	2	0

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	640	1851	836	629
Copper	ppm	1	3	2	1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	9	32	16	2
Chromium	ppm	8	25	13	8
Molybdenum	ppm	3	6	4	2
Nickel	ppm	1	2	0	<1
Titanium	ppm	<1	3	1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	5	16	8	6
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	61	47	34	32
Magnesium	ppm	17	16	11	4
Zinc	ppm	47	50	41	37
Phosphorus	ppm	979	1053	876	773
Barium	ppm	0	<1	2	2
Boron	ppm	214	151	153	83

Depot: ORAORL
Unique No: 10588377
Signed: Wes Davis
Report Date: 05 Aug 2023



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GRAPHS

