



CONSTRUCTION EQUIPMENT

SPM580384 VOLVO EC480 314333 - RIGHT SWING DRIVE



Sample No: VCP425085
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SPM580384



ORANGE COUNTY SOLID WASTE
 5901 YOUNG PINE ROAD
 ORLANDO, FL
 US 32829
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SAMPLE INFORMATION

Sample Number	VCP425085	VCP378749	VCP336766	VCP314042
Sample Date	17 Jul 2023	08 Aug 2022	16 Nov 2021	27 Mar 2021
Machine Hours	4033	3256	2161	1093
Oil Hours	0	0	2000	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	288	284	224	272
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CONTAMINATION

Silicon	ppm	17	7	7	4
Sodium	ppm	<1	0	0	<1
Potassium	ppm	0	1	0	4



WEAR METALS

Iron	ppm	624	398	246	218
Copper	ppm	18	10	7	4
Lead	ppm	0	<1	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	0	<1
Chromium	ppm	5	3	2	2
Molybdenum	ppm	5	5	7	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	2	<1	0
Manganese	ppm	5	3	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	107	90	366	50
Magnesium	ppm	35	29	73	1
Zinc	ppm	114	88	227	34
Phosphorus	ppm	1088	1025	893	757
Barium	ppm	<1	2	<1	0
Boron	ppm	133	156	122	105

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: ORAORL
Unique No: 10566026
Signed: Wes Davis
Report Date: 24 Jul 2023



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GRAPHS

