



CONSTRUCTION EQUIPMENT

SPM580384 VOLVO EC480 314333 - LEFT SWING DRIVE



Sample No: VCP425086
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	VCP425086	VCP378757	VCP336763	VCP316348
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	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	299	300	263	273
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CONTAMINATION

Silicon	ppm	8	6	6	5
Sodium	ppm	<1	0	0	<1
Potassium	ppm	0	1	0	0



WEAR METALS

Iron	ppm	247	96	143	101
Copper	ppm	8	5	8	5
Lead	ppm	0	<1	<1	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	1	1	0	<1
Chromium	ppm	2	<1	1	1
Molybdenum	ppm	3	3	1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	<1	<1	0
Manganese	ppm	2	<1	2	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	58	46	123	34
Magnesium	ppm	17	14	6	<1
Zinc	ppm	55	40	57	28
Phosphorus	ppm	1101	960	852	716
Barium	ppm	<1	2	<1	0
Boron	ppm	160	201	128	107

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: 10566032
Signed: Wes Davis
Report Date: 24 Jul 2023



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GRAPHS

