



CONSTRUCTION EQUIPMENT

SWA150612-10 VOLVO EC220EL 310769 - REAR LEFT FINAL DRIVE



Sample No: VCP385561
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SWA150612-10



ULSTER COUNTY RESOURCE RECOVERY AGENCY
 999 FLATBUSH AVE
 KINGSTON, NY
 US 12401
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SAMPLE INFORMATION

Sample Number	VCP385561	VCP321796	VCP289251	VCP241235
Sample Date	12 Jan 2023	26 Aug 2021	18 Sep 2020	28 Feb 2019
Machine Hours	6114	4369	3051	1013
Oil Hours	1000	1000	1000	1013
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	142	144	143	178.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	2	2	8
Sodium	ppm	1	1	<1	3
Potassium	ppm	<1	<1	2	3

WEAR METALS

Iron	ppm	59	30	16	234
Copper	ppm	0	0	0	<1
Lead	ppm	0	<1	1	1
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	0	0	<1
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	<1	4
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	12	67	20	11
Magnesium	ppm	0	<1	1	2
Zinc	ppm	11	26	9	14
Phosphorus	ppm	958	949	1015	393
Barium	ppm	0	0	0	<1
Boron	ppm	179	186	158	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.

Depot: ULSKIN
Unique No: 10332005
Signed: Wes Davis
Report Date: 09 Feb 2023



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GRAPHS

