



CONSTRUCTION EQUIPMENT

SW-21056-2 CASTLE VA VOLVO ECR355E 314373 - SWING DRIVE



Sample No: VCP426867
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SW-21056-2 CASTLE VA



SAMPLE INFORMATION

Sample Number	VCP426867	VCP406786	---	---
Sample Date	05 Jul 2023	20 Apr 2023	---	---
Machine Hours	1810	1347	---	---
Oil Hours	1000	1347	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

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OIL CONDITION

Visc @ 40°C	cSt	156	▲ 88.2	---	---
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CONTAMINATION

Silicon	ppm	7	4	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	<1	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	707	81	---	---
Copper	ppm	10	16	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	9	1	---	---
Molybdenum	ppm	32	28	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	8	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	18	29	---	---
Magnesium	ppm	<1	2	---	---
Zinc	ppm	36	43	---	---
Phosphorus	ppm	1083	1580	---	---
Barium	ppm	0	0	---	---
Boron	ppm	169	200	---	---

Depot: VOLVO8770
Unique No: 10560375
Signed: Don Baldrige
Report Date: 17 Jul 2023



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GRAPHS

