



CONSTRUCTION EQUIPMENT

SPM580906 VOLVO EC380EL 311492 - RIGHT FINAL DRIVE



Sample No: VCP414192
Oil Type: GEAR OIL SAE 80W90
Job No: SPM580906



SAMPLE INFORMATION

Sample Number	VCP414192	VCP403424	VCP312885	---
Sample Date	21 Jul 2023	28 Feb 2023	09 Mar 2022	---
Machine Hours	7780	6944	5012	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Changed	---
Sample Status	NORMAL	ABNORMAL	ABNORMAL	---

BELSON STEEL
 1685 N STATE RTE 50
 BOURBONNAIS, IL
 US 60914
 Contact: M. POZAN
 mpozan@belsonsteel.com
 T: (815)932-7416
 F:



OIL CONDITION

Visc @ 40°C	cSt	148	165	86.9	---
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CONTAMINATION

Water	%	0.097	0.296	---	---
Silicon	ppm	58	245	60	---
Sodium	ppm	3	8	3	---
Potassium	ppm	3	15	5	---

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	247	912	1189	---
Copper	ppm	2	5	4	---
Lead	ppm	1	6	2	---
Tin	ppm	0	2	<1	---
Aluminum	ppm	17	73	15	---
Chromium	ppm	3	22	13	---
Molybdenum	ppm	<1	4	2	---
Nickel	ppm	0	1	<1	---
Titanium	ppm	1	7	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	8	36	10	---
Vanadium	ppm	<1	1	<1	---



ADDITIVES

Calcium	ppm	372	2979	105	---
Magnesium	ppm	27	160	21	---
Zinc	ppm	150	908	15	---
Phosphorus	ppm	1525	835	558	---
Barium	ppm	0	2	0	---
Boron	ppm	47	8	13	---

Depot: BELBOU
Unique No: 10586784
Signed: Don Baldrige
Report Date: 04 Aug 2023



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GRAPHS

