



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 311198 - REAR RIGHT FINAL DRIVE



Sample No: VCP0007893
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



ALTA EQUIPMENT COMPANY
 8750 PHILIPS HWY
 JACKSONVILLE, FL
 US 32256
 Contact: SHAWN NORTHCRAFT
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SAMPLE INFORMATION

Sample Number	VCP0007893	VCP343009	VCP310315	VCP254028
Sample Date	24 Apr 2024	20 Nov 2021	22 Apr 2021	10 Jul 2019
Machine Hours	0	4351	3018	481
Oil Hours	0	0	0	481
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	314	292	210	165
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	23	408	422	14
Sodium	ppm	0	0	<1	8
Potassium	ppm	1	0	9	10



WEAR METALS

Iron	ppm	29	2520	2466	256
Copper	ppm	<1	6	7	0
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	29	22	0
Chromium	ppm	1	23	24	2
Molybdenum	ppm	2	5	0	0
Nickel	ppm	<1	0	2	<1
Titanium	ppm	<1	2	2	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	18	18	3
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	38	185	80	20
Magnesium	ppm	13	19	16	0
Zinc	ppm	23	87	97	4
Phosphorus	ppm	1012	889	707	409
Barium	ppm	2	0	0	0
Boron	ppm	213	122	84	6

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: VOLVO0092
Unique No: 11002529
Signed: Don Baldrige
Report Date: 29 Apr 2024



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GRAPHS

