



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 314321 - LEFT SWING DRIVE



Sample No: VCP405284
Oil Type: CHEVRON DELO GEAR ESI OIL 85W140
Job No:



SAMPLE INFORMATION

Sample Number	VCP405284	VCP309692	VCP309955	VCP309509
Sample Date	30 Jan 2024	28 Mar 2023	29 Oct 2021	22 Jun 2021
Machine Hours	3036	2109	995	501
Oil Hours	927	0	995	501
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

CITY OF WISCONSIN RAPIDS

444 W GRAND AVE
 WISCONSIN RAPIDS, WI
 US 54495

Contact: MARK MCAULEY
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OIL CONDITION

Visc @ 40°C	cSt	308	210	236	182
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	4	3	10
Sodium	ppm	0	0	<1	2
Potassium	ppm	3	2	0	0



WEAR METALS

Iron	ppm	85	75	81	210
Copper	ppm	2	2	5	12
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	<1	<1	1	3
Molybdenum	ppm	36	216	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	1	1	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	6	6	2	5
Magnesium	ppm	0	<1	0	<1
Zinc	ppm	3	0	6	13
Phosphorus	ppm	1065	1164	1302	283
Barium	ppm	0	0	0	0
Boron	ppm	195	168	329	18

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: CITWIS
Unique No: 10870616
Signed: Sean Felton
Report Date: 09 Feb 2024



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GRAPHS

