



CONSTRUCTION EQUIPMENT

A05836 VOLVO EC480E 3 10234 - LEFT SWING DRIVE



Sample No: VCP310363
Oil Type: MOBIL MOBILUBE HD 85W140
Job No: A05836



SAMPLE INFORMATION

Sample Number	VCP310363	VCP235675	VCP205028	VCP201226
Sample Date	18 May 2021	24 Jan 2019	05 May 2017	24 Sep 2016
Machine Hours	4415	3870	2200	0
Oil Hours	1000	1000	1000	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	SEVERE	NORMAL	NORMAL	NORMAL

K C CONSTRUCTION

1737 STOUT DRIVE
 IVYLAND, PA
 US 18974
 Contact: DUKE D.
 duked@kcconstruct.com
 T: (267)784-7337
 F: x:



OIL CONDITION

Visc @ 40°C	cSt	267	243.0	288.7	168.6
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CONTAMINATION

Water	%	2.18	0.080	---	---
Silicon	ppm	42	7	10	15
Sodium	ppm	4	2	5	<1
Potassium	ppm	2	0	3	1

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate possible alumina-silicate (coarse dirt) ingress. There is a high concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	197	87	138	363
Copper	ppm	13	5	6	11
Lead	ppm	2	0	<1	<1
Tin	ppm	2	0	3	<1
Aluminum	ppm	12	<1	2	<1
Chromium	ppm	3	1	2	4
Molybdenum	ppm	5	3	0	0
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	1	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	3	<1	2	5
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	246	168	22	4
Magnesium	ppm	24	18	4	0
Zinc	ppm	131	87	16	14
Phosphorus	ppm	953	756	889	429
Barium	ppm	0	0	0	2
Boron	ppm	168	95	117	2

Depot: KCCIVY
Unique No: 9514960
Signed: Doug Bogart
Report Date: 25 May 2021



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GRAPHS

