

CONSTRUCTION EQUIPMENT A10657 VOLVO EC480E 314799 - DIESEL ENGINE



Sample No: VCP416346
Oil Type: MOBIL 15W40

Job No: A10657

VOLVO	MENDMATION				
_	NFORMATION			-	
Sample Number		VCP416346	VCP406499	VCP376481	
Sample Date		13 Jul 2023	01 May 2023	25 Jul 2022	
Machine Hours		1715	1135	575	
Oil Hours		500	500	575	
Oil Changed		Changed	Changed	Changed	
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL	
VOLVO					
OIL CONDI	TION				
Visc @ 100°C	cSt	<u> </u>	<u> </u>	<u></u> 10.1	
Base Number (BN)	ma KOH/a	■ 5.8	6.4	5.3	
Oxidation (PA)	%	59	79	78	
VOLVO	NATION				
CONTAMI		·			
Soot %	%	■ 0.1	□0.1	□ 0.1	
Nitration (PA)	%	69	70	93	
Sulfation (PA)	%	58	58	65	
Glycol	%	NEG	NEG	NEG	
Fuel	%	<1.0	<1.0	□ 0.6	
Silicon	ppm	■ 8	1 0	■ 28	
Sodium	ppm	1	1	2	
Potassium	ppm	1	0	 <1	
VOLVO					
WEAR ME	TALS				
Iron	ppm	7	7	<u>14</u>	
Copper	ppm	<u> </u>	1 10	▲ 173	
Lead	ppm	1	□0	1 3	
Tin	ppm	1	1	4	
Aluminum	ppm	2	1	1 3	
Chromium	ppm	■0	0	= <1	
Molybdenum	ppm	■22	□ 55	■86	
Nickel	ppm	■0	0	■ <1	
Titanium	ppm	<1	0	0	
Silver	ppm	■0	0	<1	
Manganese	ppm	■ <1	1	4	
Vanadium	ppm	<1	0	0	
	PPIII		Ü	Ü	
VOLVO	F				
ADDITIVE	7				
Calcium	ppm	2213	■1736	■ 2240	
Magnesium	ppm	224	498	4 3	
Zinc	ppm	1096	■1167	■1116	
Phosphorus	ppm	■868	■929	■885	

0

0



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

F: x:

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level has decreased, but is still abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot:KCCIVYUnique No:10562272Signed:Sean FeltonReport Date:19 Jul 2023

Contact/Location: DUKE D. - KCCIVY

ppm

ppm

0

Barium

Boron



CONSTRUCTION EQUIPMENT





