



CONSTRUCTION EQUIPMENT

JMX 8-399841 VOLVO EC480E 314570 - DIESEL ENGINE



Sample No: VCP449356
Oil Type: DIESEL ENGINE OIL SAE 30
Job No: 8-399841



SAMPLE INFORMATION

Sample Number	VCP449356	VCP393115	VCP391950	VCP352031
Sample Date	05 Apr 2024	15 Dec 2023	25 May 2023	04 Nov 2022
Machine Hours	4040	3534	2906	2020
Oil Hours	2000	0	0	2000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT INC.

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OIL CONDITION

Visc @ 100°C	cSt	11.9	12.5	11.9	12.2
Oxidation (PA)	%	90	93	86	87



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	73	78	69	69
Sulfation (PA)	%	65	65	64	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	7	7	5
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	0	0	0

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	7	8	7	6
Copper	ppm	3	4	4	34
Lead	ppm	0	<1	<1	1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	1	1	<1	2
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	40	43	41	44
Nickel	ppm	3	6	3	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	<1	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1734	1742	1809	1728
Magnesium	ppm	509	523	519	514
Zinc	ppm	1065	1124	1079	1106
Phosphorus	ppm	886	927	982	970
Barium	ppm	0	<1	0	0
Boron	ppm	29	22	33	22

Depot: SHEMIS
Unique No: 5760980
Signed: Wes Davis
Report Date: 10 Apr 2024



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VOLVO GRAPHS

