



CONSTRUCTION EQUIPMENT

JMX 8-394539 VOLVO EC380E 314333 - DIESEL ENGINE



Sample No: VCP449276
Oil Type: DIESEL ENGINE OIL SAE 30
Job No: 8-394539



SAMPLE INFORMATION

Sample Number	VCP449276	VCP391941	VCP352735	VCP352240
Sample Date	07 Mar 2024	25 May 2023	08 Feb 2023	11 Nov 2022
Machine Hours	4157	3449	3010	2500
Oil Hours	0	0	0	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD
MISSISSAUGA, ON
CA L4W 4L4

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OIL CONDITION

Visc @ 100°C	cSt	12.6	11.9	12.4	12.4
Oxidation (PA)	%	89	84	88	87



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	75	67	68	63
Sulfation (PA)	%	64	62	68	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	3	4
Sodium	ppm	2	2	2	2
Potassium	ppm	8	0	0	0



WEAR METALS

Iron	ppm	6	5	4	4
Copper	ppm	1	<1	<1	1
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	1	<1	1	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	42	44	43	41
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1738	1832	1838	1715
Magnesium	ppm	498	481	501	509
Zinc	ppm	1094	1076	1144	1074
Phosphorus	ppm	956	987	1064	991
Barium	ppm	0	0	0	0
Boron	ppm	34	44	45	39

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. Viscosity of sample indicates oil is within SAE 40 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: SHEMIS
Unique No: 5746518
Signed: Kevin Marson
Report Date: 13 Mar 2024



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GRAPHS

