



CONSTRUCTION EQUIPMENT

JMX 8-399841 VOLVO EC480E 314570 - REAR RIGHT FINAL DRIVE



Sample No: VCP391852
Oil Type: GEAR OIL LS 80W90
Job No: 8-399841



STRONGCO EQUIPMENT INC.
1640 ENTERPRISE ROAD
MISSISSAUGA, ON
CA L4W 4L4
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SAMPLE INFORMATION

Sample Number	VCP391852	VCP352034	---	---
Sample Date	05 Apr 2024	04 Nov 2022	---	---
Machine Hours	4040	2020	---	---
Oil Hours	2000	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	77.0	█ 174	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 247	█ 26	---	---
Sodium	ppm	█ 7	█ <1	---	---
Potassium	ppm	█ 19	█ 2	---	---



WEAR METALS

PQ		█ 563	---	---	---
Iron	ppm	▲ 2862	█ 271	---	---
Copper	ppm	█ 6	█ <1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 55	█ 5	---	---
Chromium	ppm	█ 26	█ 4	---	---
Molybdenum	ppm	█ 2	█ <1	---	---
Nickel	ppm	█ 1	<1	---	---
Titanium	ppm	█ 4	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	26	█ 3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 98	11	---	---
Magnesium	ppm	█ 35	█ 3	---	---
Zinc	ppm	█ 27	4	---	---
Phosphorus	ppm	█ 1497	97	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 114	<1	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: SHEMIS
Unique No: 5761109
Signed: Kevin Marson
Report Date: 10 Apr 2024



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GRAPHS

