



CONSTRUCTION EQUIPMENT

370496 VOLVO A45G 342018 - DROP BOX



Sample No: VCP394972
Oil Type: GEAR OIL SAE 80W90
Job No: 370496



SAMPLE INFORMATION

Sample Number	VCP394972	---	---	---
Sample Date	07 Jul 2023	---	---	---
Machine Hours	8100	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD
 MISSISSAUGA, ON
 CA L4W 4L4
 Contact: Jason Roth
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 T: (905)670-5100
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OIL CONDITION

Visc @ 40°C	cSt	█ 132	---	---	---
Acid Number (AN)	mg KOH/g	█ 1.00	---	---	---



CONTAMINATION

Silicon	ppm	▲ 91	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

PQ		█ 15	---	---	---
Iron	ppm	▲ 585	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 13	---	---	---
Chromium	ppm	█ 7	---	---	---
Molybdenum	ppm	█ 24	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 64	---	---	---
Magnesium	ppm	█ 13	---	---	---
Zinc	ppm	█ 158	---	---	---
Phosphorus	ppm	█ 711	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 73	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a moderate concentration of dirt present in the oil. High amount of ingressed dirt has caused abrasive wear to the component. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: SHEMIS
Unique No: 5605897
Signed: Kevin Marson
Report Date: 11 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

