



CONSTRUCTION EQUIPMENT

429789-70 ASTEC CP30 194 - PLANETARY



Sample No: VCP433405
Oil Type: GEAR OIL SAE 80W90
Job No: 429789-70



SAMPLE INFORMATION

Sample Number	VCP433405	---	---	---
Sample Date	25 Jan 2024	---	---	---
Machine Hours	501	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
 Contact: DILLON BURNS
 dillon.burns@altg.com
 T:
 F: (248)356-2029



OIL CONDITION

Visc @ 40°C	cSt	▲ 267	---	---	---
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CONTAMINATION

Water	%	▲ 0.365	---	---	---
Silicon	ppm	▲ 157	---	---	---
Sodium	ppm	■ 16	---	---	---
Potassium	ppm	■ 19	---	---	---



WEAR METALS

Iron	ppm	● 3501	---	---	---
Copper	ppm	■ 12	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 7	---	---	---
Aluminum	ppm	● 513	---	---	---
Chromium	ppm	● 34	---	---	---
Molybdenum	ppm	■ 4	---	---	---
Nickel	ppm	● 29	---	---	---
Titanium	ppm	7	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 35	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 1604	---	---	---
Magnesium	ppm	■ 28	---	---	---
Zinc	ppm	■ 83	---	---	---
Phosphorus	ppm	■ 1269	---	---	---
Barium	ppm	■ 43	---	---	---
Boron	ppm	■ 264	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. High wear metal levels reflect the reported failure. Component wear metal level(s) high for break in. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a light concentration of water present in the oil. The oil viscosity is higher than normal. Confirm oil type.

Depot: VOLVO2990
Unique No: 10849960
Signed: Doug Bogart
Report Date: 31 Jan 2024



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GRAPHS

