



CONSTRUCTION EQUIPMENT

X30119 WILD TRUCKING 342197 - DROP BOX



Sample No: VCP400859
Oil Type: GEAR OIL SAE 80W90
Job No: X30119 WILD TRUCKING



SAMPLE INFORMATION

Sample Number	VCP400859	VC352936	VCE113474	---
Sample Date	27 Jun 2023	12 Jul 2021	15 Jun 2021	---
Machine Hours	9147	5443	5396	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	N/A	---
Sample Status	SEVERE	NORMAL	SEVERE	---

SCOTT EQUIPMENT COMPANY LLC - Baton Rouge
 10160 AIRLINE HWY
 BATON ROUGE, LA
 US 70816
 Contact: BRENT CALDWELL
 bcaldwell@scottcompanies.com
 T: (225)293-3683
 F: (225)292-9658



OIL CONDITION

Visc @ 40°C	cSt	▲ 58.9	■ 131	■ 134	---
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CONTAMINATION

Silicon	ppm	▲ 95	■ 20	● 192	---
Sodium	ppm	■ <1	■ 4	■ 2	---
Potassium	ppm	■ 5	■ 22	■ 2	---



WEAR METALS

Iron	ppm	● 1538	■ 19	● 3461	---
Copper	ppm	■ 25	■ <1	■ 6	---
Lead	ppm	■ <1	■ <1	■ 0	---
Tin	ppm	■ <1	■ <1	■ 0	---
Aluminum	ppm	▲ 28	■ <1	▲ 20	---
Chromium	ppm	▲ 18	■ <1	▲ 29	---
Molybdenum	ppm	■ 19	■ 5	■ 6	---
Nickel	ppm	▲ 10	■ 0	■ 6	---
Titanium	ppm	<1	<1	2	---
Silver	ppm	0	0	0	---
Manganese	ppm	■ 14	■ <1	28	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	■ 22	■ 319	■ 92	---
Magnesium	ppm	■ 2	■ 35	■ 2	---
Zinc	ppm	■ 24	■ 175	■ 19	---
Phosphorus	ppm	■ 1822	■ 967	■ 772	---
Barium	ppm	■ 0	■ 0	■ 0	---
Boron	ppm	■ 161	■ 188	■ 158	---

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. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil viscosity is lower than normal. Confirm oil type. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO6242
Unique No: 10537454
Signed: Don Baldrige
Report Date: 03 Jul 2023



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GRAPHS

