



CONSTRUCTION EQUIPMENT

VOLVO A40G 352987 - DROP BOX



Sample No: VCP455173
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP455173	VCP438590	VCP433583	---
Sample Date	26 Apr 2024	15 Apr 2024	29 Sep 2023	---
Machine Hours	4999	3943	3262	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Changed	---
Sample Status	SEVERE	SEVERE	SEVERE	---

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: PM Services
PMServices@ripaconstruction.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	191	192	49.7	---
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CONTAMINATION

Water	%	NEG	NEG	0.266	---
Silicon	ppm	29	30	22	---
Sodium	ppm	3	3	1	---
Potassium	ppm	3	<1	1	---



WEAR METALS

Iron	ppm	897	904	1647	---
Copper	ppm	523	545	719	---
Lead	ppm	0	0	7	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	4	4	2	---
Chromium	ppm	10	9	15	---
Molybdenum	ppm	51	52	96	---
Nickel	ppm	6	5	4	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	<1	2	---
Manganese	ppm	12	13	5	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	234	224	28	---
Magnesium	ppm	39	28	2	---
Zinc	ppm	245	223	166	---
Phosphorus	ppm	1247	1202	1916	---
Barium	ppm	2	0	0	---
Boron	ppm	106	94	21	---

Diagnosis

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. Bearing and/or gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: RIPTAM
Unique No: 11006747
Signed: Jonathan Hester
Report Date: 05 May 2024



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GRAPHS

