



CONSTRUCTION EQUIPMENT

VOLVO A40G 352724 - DROP BOX



Sample No: VCP370289
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No:



SAMPLE INFORMATION

Sample Number	VCP370289	VCP370291	VCE084219	---
Sample Date	29 Aug 2023	29 Aug 2023	01 Dec 2022	---
Machine Hours	3195	3195	2139	---
Oil Hours	1000	1000	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	ABNORMAL	NORMAL	ABNORMAL	---

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 407 OAK ROAD
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 US 29673
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OIL CONDITION

Visc @ 40°C	cSt	46.1	98.0	45.9	---
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CONTAMINATION

Silicon	ppm	54	24	61	---
Sodium	ppm	9	2	11	---
Potassium	ppm	4	2	<1	---



WEAR METALS

Iron	ppm	451	31	102	---
Copper	ppm	7	14	5	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	2	<1	---
Aluminum	ppm	0	23	<1	---
Chromium	ppm	4	4	1	---
Molybdenum	ppm	11	<1	7	---
Nickel	ppm	3	6	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	8	3	4	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	86	2155	63	---
Magnesium	ppm	7	67	6	---
Zinc	ppm	122	990	108	---
Phosphorus	ppm	2044	833	2093	---
Barium	ppm	0	0	<1	---
Boron	ppm	127	2	112	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

Depot: VOLVO4596
Unique No: 10634478
Signed: Jonathan Hester
Report Date: 08 Sep 2023



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GRAPHS

