



CONSTRUCTION EQUIPMENT

VOLVO A40G 752 153 - DROP BOX



Sample No: VCP441727
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP441727	VCP411833	VCP379669	VCP354001
Sample Date	15 Feb 2024	21 Jul 2023	26 Jan 2023	05 Aug 2022
Machine Hours	5085	3990	3025	2078
Oil Hours	0	3990	1500	1500
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	290	53.4	84.5	89.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	17	▲ 61	6	7
Sodium	ppm	0	12	2	1
Potassium	ppm	<1	2	2	2

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	182	240	210	379
Copper	ppm	13	2	▲ 82	63
Lead	ppm	0	<1	0	0
Tin	ppm	1	0	4	3
Aluminum	ppm	0	17	<1	1
Chromium	ppm	2	3	3	6
Molybdenum	ppm	6	6	8	8
Nickel	ppm	<1	1	2	5
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	4	7	8	11
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	142	60	858	666
Magnesium	ppm	19	2	5	5
Zinc	ppm	77	71	360	300
Phosphorus	ppm	1089	1924	1229	1362
Barium	ppm	<1	2	3	2
Boron	ppm	190	209	189	250

Depot: RIPTAM
Unique No: 11018969
Signed: Wes Davis
Report Date: 09 May 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

