



CONSTRUCTION EQUIPMENT

VOLVO A40G 352852 - DROP BOX



Sample No: VCP451197
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP451197	VCP392548	VCP364580	VCP357474
Sample Date	09 May 2024	10 Mar 2023	18 Aug 2022	01 Apr 2022
Machine Hours	5118	2973	1982	1061
Oil Hours	0	2973	500	1061
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	ATTENTION	ABNORMAL	ATTENTION

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



OIL CONDITION

Visc @ 40°C	cSt	301	55.0	47.4	42.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	5	49	39
Sodium	ppm	<1	1	8	8
Potassium	ppm	0	<1	4	0

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	14	323	157	98
Copper	ppm	<1	<1	17	7
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	0	4	1	1
Molybdenum	ppm	2	3	9	7
Nickel	ppm	0	0	2	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	8	4	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	151	69	75	179
Magnesium	ppm	26	4	5	3
Zinc	ppm	91	18	156	124
Phosphorus	ppm	1030	2319	2327	2124
Barium	ppm	0	0	0	0
Boron	ppm	227	239	88	84

Depot: RIPTAM
Unique No: 11030519
Signed: Wes Davis
Report Date: 15 May 2024



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GRAPHS

