



CONSTRUCTION EQUIPMENT

688604 VOLVO A30G 752326 - REAR AXLE



Sample No: VCP444055
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 688604



SAMPLE INFORMATION

Sample Number	VCP444055	VCP392932	VCP354596	VCP332941
Sample Date	04 Apr 2024	08 Mar 2023	12 Aug 2022	18 Mar 2022
Machine Hours	5120	3043	2015	1147
Oil Hours	1000	1500	500	500
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	ATTENTION	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	■ 311	■ 204	● 220	● 222
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 4	■ 6	■ 3	■ 4
Sodium	ppm	■ 0	■ 1	■ 0	■ 0
Potassium	ppm	■ 0	■ <1	■ 2	■ <1

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	■ 45	■ 206	■ 181	■ 137
Copper	ppm	■ 4	■ 14	■ 9	■ 6
Lead	ppm	■ 0	■ 0	■ 0	■ 0
Tin	ppm	■ 0	■ <1	■ <1	■ <1
Aluminum	ppm	■ 0	■ <1	■ <1	■ <1
Chromium	ppm	■ <1	■ 4	■ 3	■ 3
Molybdenum	ppm	■ <1	■ 3	■ 3	■ 2
Nickel	ppm	■ 0	■ 2	■ <1	■ <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	■ 1	■ 6	■ 4	■ 4
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	■ 219	■ 273	■ 215	■ 220
Magnesium	ppm	■ 17	■ 4	■ 4	■ 4
Zinc	ppm	■ 106	144	122	■ 120
Phosphorus	ppm	■ 1055	■ 1041	■ 1082	■ 1088
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 210	■ 152	■ 173	■ 225

Depot: RIPTAM
Unique No: 11031765
Signed: Wes Davis
Report Date: 16 May 2024



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GRAPHS

