



CONSTRUCTION EQUIPMENT

659047 TUCKER VOLVO A25G 740257 - FRONT AXLE



Sample No: VCP428737
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 659047 TUCKER



SAMPLE INFORMATION

Sample Number	VCP428737	VCP390711	VCP297939	VCP300085
Sample Date	08 Jan 2024	30 Nov 2022	25 Jun 2021	22 Jan 2021
Machine Hours	9175	8249	6077	5219
Oil Hours	1000	4000	2000	1000
Oil Changed	Not Changd	Changed	Changed	Not Changd
Sample Status	NORMAL	ABNORMAL	MARGINAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	283	191	313	313
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	47	276	154	265
Sodium	ppm	0	2	<1	<1
Potassium	ppm	2	1	<1	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	183	1505	856	840
Copper	ppm	46	369	113	109
Lead	ppm	0	8	<1	2
Tin	ppm	2	16	5	0
Aluminum	ppm	4	18	5	14
Chromium	ppm	2	18	11	10
Molybdenum	ppm	14	5	4	<1
Nickel	ppm	1	14	7	8
Titanium	ppm	<1	2	1	2
Silver	ppm	0	0	0	0
Manganese	ppm	1	12	9	8
Vanadium	ppm	0	<1	<1	0



ADDITIVES

Calcium	ppm	149	817	70	58
Magnesium	ppm	44	15	11	9
Zinc	ppm	102	337	26	28
Phosphorus	ppm	1029	1078	935	975
Barium	ppm	10	0	0	0
Boron	ppm	137	154	226	170

Depot: VOLVO0093
Unique No: 10886627
Signed: Wes Davis
Report Date: 20 Feb 2024



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GRAPHS

