



CONSTRUCTION EQUIPMENT

659047 TUCKER VOLVO A25G 740257 - DROP BOX



Sample No: VCP454187
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 659047 TUCKER



SAMPLE INFORMATION

Sample Number	VCP454187	VCP393559	VCP324611	VCP302413
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	1219
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	276	51.1	53.5	51.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	28	46	44
Sodium	ppm	0	5	4	4
Potassium	ppm	1	<1	2	22

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	124	991	836	628
Copper	ppm	2	6	8	1
Lead	ppm	0	<1	<1	3
Tin	ppm	0	<1	<1	0
Aluminum	ppm	2	8	2	5
Chromium	ppm	1	11	10	8
Molybdenum	ppm	1	1	1	0
Nickel	ppm	0	2	2	1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	10	8	6
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	42	75	33	28
Magnesium	ppm	5	6	5	0
Zinc	ppm	30	324	255	197
Phosphorus	ppm	1113	2160	2139	2503
Barium	ppm	10	0	0	0
Boron	ppm	149	132	164	157

Depot: VOLVO0093
Unique No: 10886638
Signed: Sean Felton
Report Date: 21 Feb 2024



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GRAPHS

