



CONSTRUCTION EQUIPMENT

SWO-070832 ATLAS COPCO T45-10SF TMG18SEDO183 - REAR RIGHT FINAL DRIVE



Sample No: VCP436271
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-070832



SAMPLE INFORMATION

Sample Number	VCP436271	VCP445718	VCP428982	VCP424702
Sample Date	01 Apr 2024	13 Nov 2023	31 Aug 2023	02 May 2023
Machine Hours	6670	6283	5911	5181
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

WHITAKER CONTRACTING
 692 CONVICT CAMP RD
 GUNTERSVILLE, AL
 US 35976
 Contact: BROTHER WHITAKER
 BrotherWhitaker@whitaker-contracting.com
 T: (256)298-3905
 F:



OIL CONDITION

Visc @ 40°C	cSt	277	263	263	265
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	19	23	27	▲ 120
Sodium	ppm	1	2	<1	0
Potassium	ppm	2	1	2	8

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	96	122	127	220
Copper	ppm	9	18	16	16
Lead	ppm	10	20	21	15
Tin	ppm	<1	<1	<1	1
Aluminum	ppm	2	3	4	● 22
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	7	2	3	4
Nickel	ppm	<1	<1	<1	2
Titanium	ppm	<1	<1	<1	2
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	108	90	106	138
Magnesium	ppm	43	27	32	35
Zinc	ppm	112	75	86	84
Phosphorus	ppm	877	921	972	896
Barium	ppm	0	0	0	0
Boron	ppm	107	103	135	117

Depot: WHIGUN
Unique No: 10963657
Signed: Wes Davis
Report Date: 05 Apr 2024



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VOLVO GRAPHS

