



CONSTRUCTION EQUIPMENT

SWO-067561 ATLAS COPCO T45-10SF TMG18SEDO183 - REAR RIGHT FINAL DRIVE



Sample No: VCP445718
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-067561



SAMPLE INFORMATION

Sample Number	VCP445718	VCP428982	VCP424702	VCP402440
Sample Date	13 Nov 2023	31 Aug 2023	02 May 2023	06 Mar 2023
Machine Hours	6283	5911	5181	4738
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

WHITAKER CONTRACTING
 692 CONVICT CAMP RD
 GUNTERVILLE, AL
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 T: (256)298-3905
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OIL CONDITION

Visc @ 40°C	cSt	263	263	265	265
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CONTAMINATION

Silicon	ppm	23	27	▲ 120	54
Sodium	ppm	2	<1	0	<1
Potassium	ppm	1	2	8	4

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	122	127	220	119
Copper	ppm	18	16	16	10
Lead	ppm	20	21	15	11
Tin	ppm	<1	<1	1	<1
Aluminum	ppm	3	4	▲ 22	13
Chromium	ppm	<1	<1	2	<1
Molybdenum	ppm	2	3	4	3
Nickel	ppm	<1	<1	2	<1
Titanium	ppm	<1	<1	2	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	2	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	90	106	138	121
Magnesium	ppm	27	32	35	33
Zinc	ppm	75	86	84	67
Phosphorus	ppm	921	972	896	816
Barium	ppm	0	0	0	0
Boron	ppm	103	135	117	118

Depot: WHIGUN
Unique No: 10749060
Signed: Wes Davis
Report Date: 17 Nov 2023



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GRAPHS

