



CONSTRUCTION EQUIPMENT

SWO-065516 ATLAS COPCO T45-10SF TMG18SEDO183 - REAR RIGHT FINAL DRIVE



Sample No: VCP428982
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-065516



SAMPLE INFORMATION

Sample Number	VCP428982	VCP424702	VCP402440	VCP368394
Sample Date	31 Aug 2023	02 May 2023	06 Mar 2023	08 Nov 2022
Machine Hours	5911	5181	4738	4017
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	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	265	265	218
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CONTAMINATION

Silicon	ppm	27	▲ 120	54	18
Sodium	ppm	<1	0	<1	<1
Potassium	ppm	2	8	4	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	127	220	119	113
Copper	ppm	16	16	10	9
Lead	ppm	21	15	11	17
Tin	ppm	<1	1	<1	<1
Aluminum	ppm	4	▲ 22	13	2
Chromium	ppm	<1	2	<1	<1
Molybdenum	ppm	3	4	3	1
Nickel	ppm	<1	2	<1	0
Titanium	ppm	<1	2	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	2	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	106	138	121	54
Magnesium	ppm	32	35	33	6
Zinc	ppm	86	84	67	32
Phosphorus	ppm	972	896	816	704
Barium	ppm	0	0	0	0
Boron	ppm	135	117	118	80

Depot: WHIGUN
Unique No: 10643547
Signed: Wes Davis
Report Date: 13 Sep 2023



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VOLVO GRAPHS

