



CONSTRUCTION EQUIPMENT

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



Sample No: VCP431112
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-065516



SAMPLE INFORMATION

Sample Number	VCP431112	VCP424674	VCP401092	VCP368399
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
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OIL CONDITION

Visc @ 40°C	cSt	263	265	265	208
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CONTAMINATION

Silicon	ppm	25	▲ 119	11	22
Sodium	ppm	<1	0	0	<1
Potassium	ppm	2	8	<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	119	222	74	123
Copper	ppm	15	17	7	11
Lead	ppm	20	15	10	17
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	4	▲ 22	2	4
Chromium	ppm	<1	2	<1	<1
Molybdenum	ppm	2	4	3	1
Nickel	ppm	<1	2	0	<1
Titanium	ppm	<1	2	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	2	1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	103	137	98	59
Magnesium	ppm	30	35	27	6
Zinc	ppm	82	84	58	44
Phosphorus	ppm	930	894	763	662
Barium	ppm	0	0	0	0
Boron	ppm	127	117	121	43

Depot: WHIGUN
Unique No: 10643543
Signed: Wes Davis
Report Date: 13 Sep 2023



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GRAPHS

