



CONSTRUCTION EQUIPMENT

SWO-070832 ATLAS COPCO T45-10SF TMG18SEDO183 - COMPRESSOR



Sample No: VCP439188
Oil Type: {unknown}
Job No: SWO-070832



SAMPLE INFORMATION

Sample Number	VCP439188	VCP445775	VCP431123	VCP424714
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 Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ATTENTION	ATTENTION	ABNORMAL

WHITAKER CONTRACTING

692 CONVICT CAMP RD
GUNTERVILLE, AL
US 35976

Contact: BROTHER WHITAKER
BrotherWhitaker@whitaker-contracting.com
T: (256)298-3905
F:



OIL CONDITION

Visc @ 40°C	cSt	■ 49.6	● 178	● 167.5	■ 52.9
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CONTAMINATION

Water	%	■ NEG	NEG	NEG	■ 0.042
Silicon	ppm	■ 4	■ <1	■ <1	■ <1
Sodium	ppm	■ 21	■ 0	■ 0	■ 13
Potassium	ppm	■ 7	■ 2	■ 2	■ 2



WEAR METALS

Iron	ppm	■ 4	■ 0	■ <1	■ <1
Copper	ppm	■ <1	■ <1	■ 0	■ 1
Lead	ppm	■ <1	■ 0	■ 0	■ 0
Tin	ppm	■ <1	■ 0	■ 0	■ 0
Aluminum	ppm	■ 1	■ <1	■ 0	■ 0
Chromium	ppm	■ <1	■ 0	■ 0	■ 0
Molybdenum	ppm	<1	■ 0	■ 0	■ <1
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	■ <1	■ <1	■ <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	32	■ 13	■ 24	■ 25
Magnesium	ppm	8	■ 4	■ 4	■ 8
Zinc	ppm	189	● 437	● 390	147
Phosphorus	ppm	189	● 381	● 358	172
Barium	ppm	0	■ 0	■ 0	■ 0
Boron	ppm	0	■ <1	■ 0	■ 0

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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.

Depot: WHIGUN
Unique No: 10963662
Signed: Wes Davis
Report Date: 05 Apr 2024



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VOLVO GRAPHS

