



CONSTRUCTION EQUIPMENT

SWO-067561 ATLAS COPCO T45-10SF TMG18SEDO183 - COMPRESSOR



Sample No: VCP445775
Oil Type: REFRIG COMP OIL ISO 46
Job No: SWO-067561



SAMPLE INFORMATION

Sample Number	VCP445775	VCP431123	VCP424714	VCP402445
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	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	ATTENTION	ABNORMAL	MARGINAL

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	▲ 178	▲ 167.5	■ 52.9	■ 172.7
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CONTAMINATION

Water	%	NEG	NEG	■ 0.042	NEG
Silicon	ppm	■ <1	■ <1	■ <1	■ 4
Sodium	ppm	■ 0	■ 0	■ 13	■ 0
Potassium	ppm	■ 2	■ 2	■ 2	■ 3

Diagnosis
 No corrective action is recommended at this time. 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 oil viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.



WEAR METALS

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



ADDITIVES

Calcium	ppm	■ 13	■ 24	■ 25	13
Magnesium	ppm	■ 4	■ 4	■ 8	4
Zinc	ppm	▲ 437	▲ 390	147	113
Phosphorus	ppm	▲ 381	▲ 358	172	172
Barium	ppm	■ 0	■ 0	■ 0	0
Boron	ppm	■ <1	■ 0	■ 0	2

Depot: WHIGUN
Unique No: 10749094
Signed: Don Baldrige
Report Date: 20 Nov 2023



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VOLVO GRAPHS

