



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**PALASYN 45**  
Machine Id  
**ATLAS COPCO AII169398 - WARRIOR MFG**  
Component  
**Compressor**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>UCS06147434</b>	UCS05975835	UCS05827808
Sample Date		Client Info		<b>02 Apr 2024</b>	04 Oct 2023	14 Apr 2023
Machine Age	hrs	Client Info		<b>26034</b>	25801	0
Oil Age	hrs	Client Info		<b>1500</b>	3000	4000
Filter Age	hrs	Client Info		<b>1500</b>	3000	4000
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>0</b>	0	3
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Lead	ppm	ASTM D5185m	>65	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>65	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

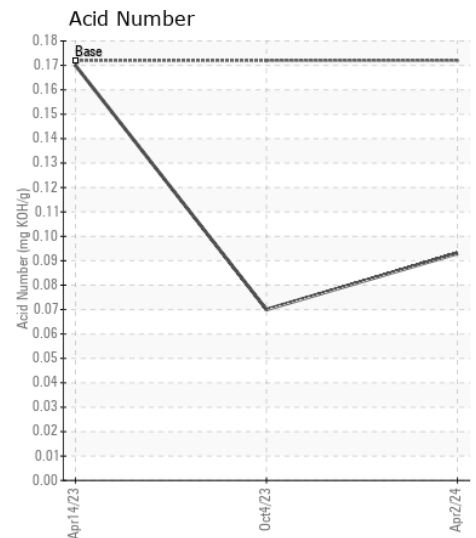
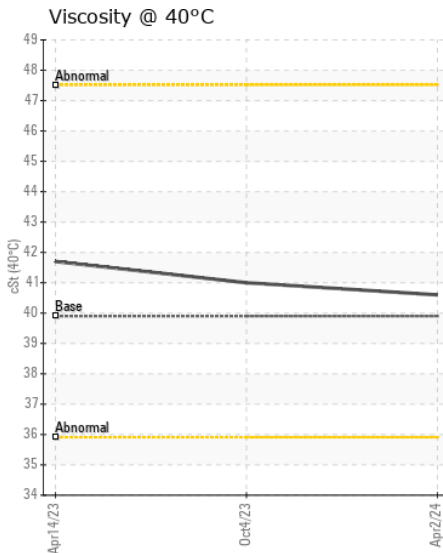
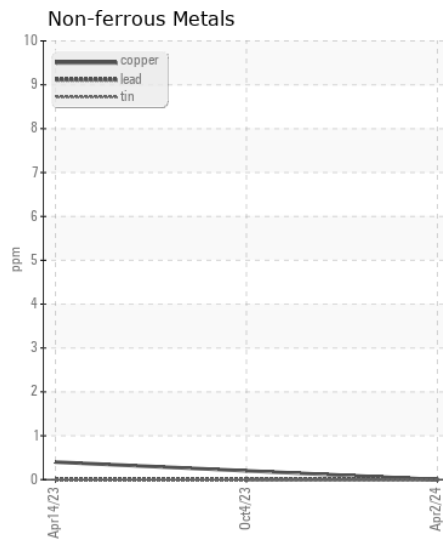
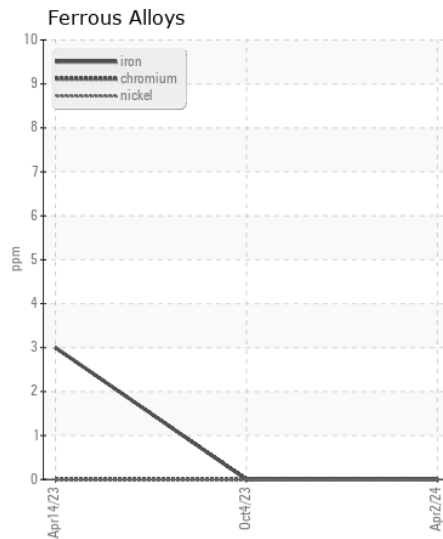
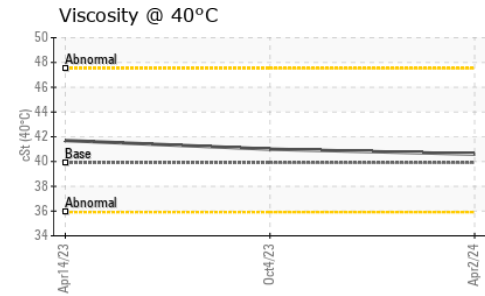
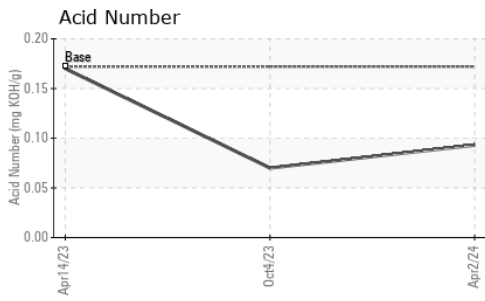
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	<b>3</b>	<1	<1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>0</b>	0	0
Boron	ppm	ASTM D5185m	0.0	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	0	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m	0.0	<b>0</b>	0	<1
Calcium	ppm	ASTM D5185m	0.0	<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m	966	<b>574</b>	502	405
Zinc	ppm	ASTM D5185m	0	<b>5</b>	9	19
Sulfur	ppm	ASTM D5185m	1309	<b>259</b>	233	166
Acid Number (AN)	mg KOH/g	ASTM D8045	0.172	<b>0.093</b>	0.07	0.17
Visc @ 40°C	cSt	ASTM D445	39.9	<b>40.6</b>	41.0	41.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS06147434 **Received** : 12 Apr 2024  
**Lab Number** : 06147434 **Tested** : 15 Apr 2024  
**Unique Number** : 10977512 **Diagnosed** : 16 Apr 2024 - Sean Felton  
**Test Package** : IND 2

**JEMCO-MAXAIR**

WEST FARGO, ND  
US 58078

Contact: DALE K  
dalek@jemco-maxair.com

T: (701)281-0362

F: x:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)