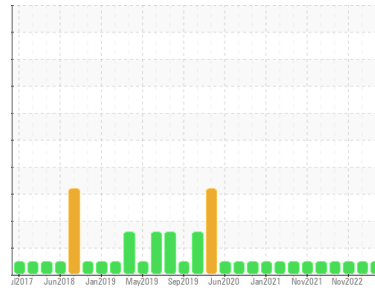




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
PALLUBE 32 [158849]
 Machine Id
PALATEK SP16-100 1507220001 - GVS FILTRATION
 Component
Compressor

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	UCZ06056828	UCZ05810505	UCZ05707247
Sample Date	Client Info	27 Nov 2023	14 Mar 2023	17 Nov 2022
Machine Age	hrs	44442	65541	62730
Oil Age	hrs	1538	2811	8448
Oil Changed	Client Info	Not Changed	Not Changd	Changed
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >50	0	0	<1
Chromium	ppm ASTM D5185m >5	0	0	0
Nickel	ppm ASTM D5185m	0	0	0
Titanium	ppm ASTM D5185m	0	0	0
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >15	0	<1	<1
Lead	ppm ASTM D5185m >65	0	0	<1
Copper	ppm ASTM D5185m >65	<1	<1	<1
Tin	ppm ASTM D5185m >10	<1	<1	1
Vanadium	ppm ASTM D5185m	<1	0	<1
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 1	0	0	0
Barium	ppm ASTM D5185m 730	90	66	66
Molybdenum	ppm ASTM D5185m 0	0	0	0
Manganese	ppm ASTM D5185m 0.0	0	<1	0
Magnesium	ppm ASTM D5185m 0	0	1	<1
Calcium	ppm ASTM D5185m 0	<1	2	0
Phosphorus	ppm ASTM D5185m 0	5	8	26
Zinc	ppm ASTM D5185m 0	0	0	0
Sulfur	ppm ASTM D5185m 590	590	341	210

CONTAMINANTS

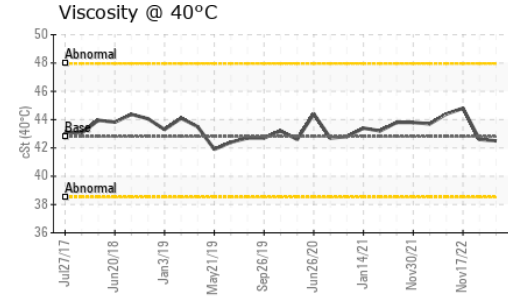
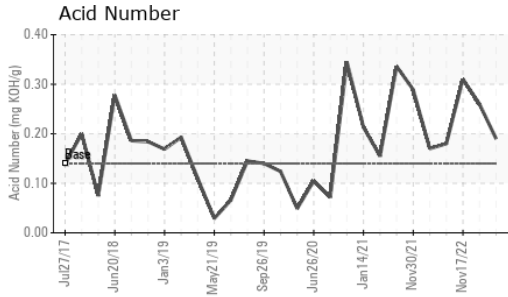
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >35	<1	1	1
Sodium	ppm ASTM D5185m	44	31	52
Potassium	ppm ASTM D5185m >20	3	3	3

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 0.14	0.19	0.26	0.31



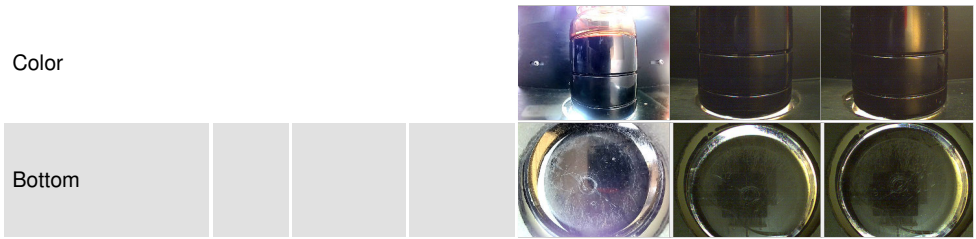
OIL ANALYSIS REPORT



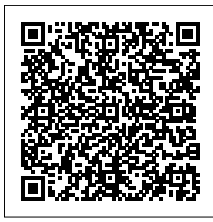
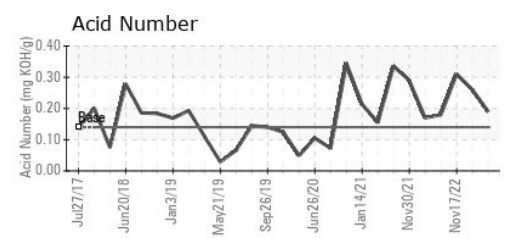
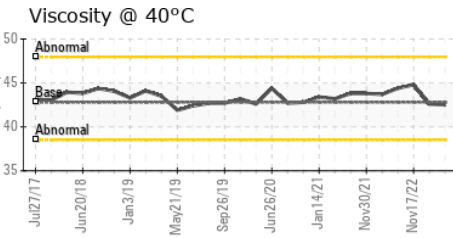
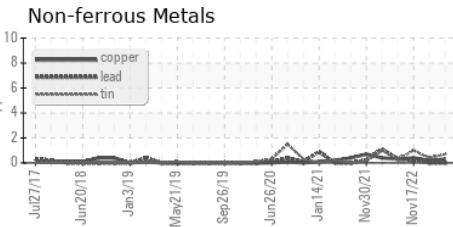
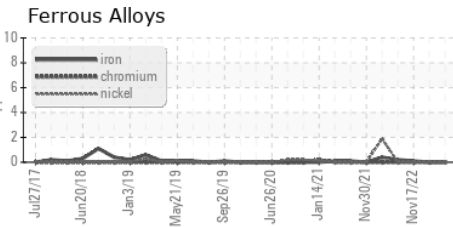
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	42.8	42.5	42.6	44.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCZ06056828 **Recieved** : 10 Jan 2024
Lab Number : 06056828 **Diagnosed** : 11 Jan 2024
Unique Number : 10822777 **Diagnostician** : Don Baldrige
Test Package : IND 2

ZORN COMP & EQUIPMENT INC - EAU CLAIRE
 2218-D TRUAX BLVD
 EAU CLAIRE, WI
 US 54703
 Contact: BILL MESTELLE
 bill.mestelle@zornair.com
 T: (715)830-5292
 F:

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)