



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	SEVERE

Area
FOOD GRADE 32
Machine Id
PALATEK 1508060018 - NU-TEK
Component
Compressor

RECOMMENDATION

We advise that you check for a possible overheat condition. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

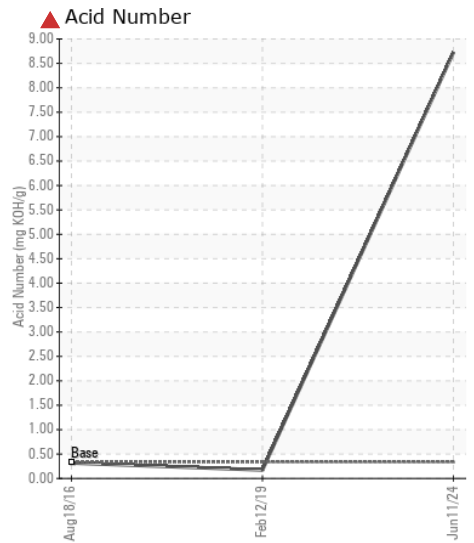
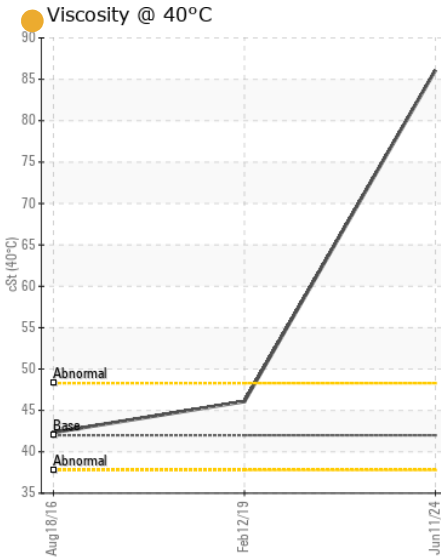
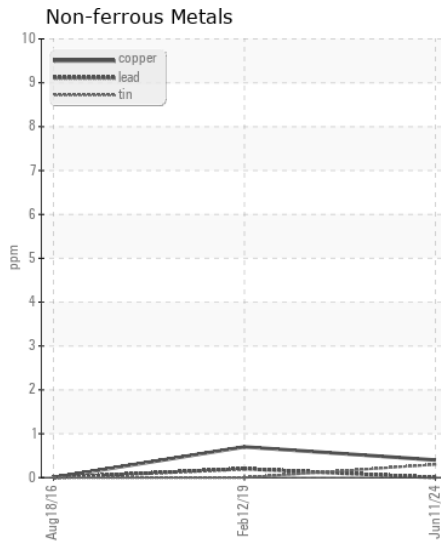
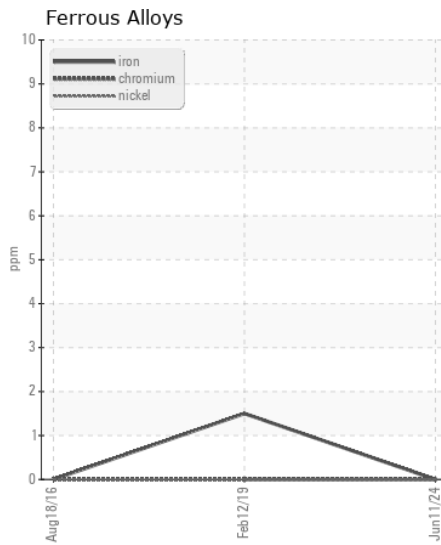
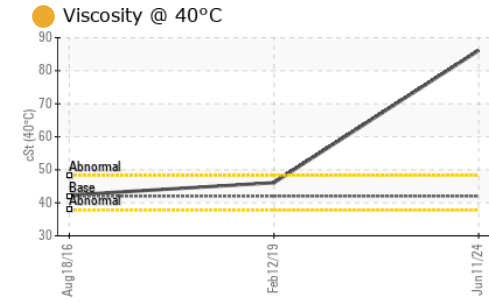
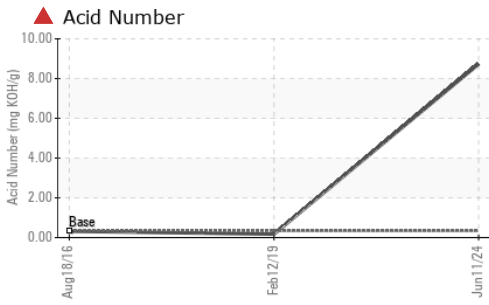
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The AN level is above the recommended limit. The oil viscosity is higher than normal. TAN level indicates possible presence of varnish. The oil is no longer serviceable.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCS06214816	UCS04649927	UCS04049179
Sample Date		Client Info		11 Jun 2024	12 Feb 2019	18 Aug 2016
Machine Age	hrs	Client Info		38416	15150	2493
Oil Age	hrs	Client Info		0	1280	2493
Filter Age	hrs	Client Info		0	1280	2493
Oil Changed		Client Info		Not Changd	N/A	Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				SEVERE	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	0	2	0
Chromium	ppm	ASTM D5185m	>10	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	>25	0	0	0
Lead	ppm	ASTM D5185m	>25	0	<1	0
Copper	ppm	ASTM D5185m	>50	<1	<1	0
Tin	ppm	ASTM D5185m	>15	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	<1	2	1
Potassium	ppm	ASTM D5185m	>20	3	1	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	HEAVY	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		4	1	6
Boron	ppm	ASTM D5185m	1	<1	<1	0
Barium	ppm	ASTM D5185m	0.3	2	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	0	<1	0	0
Calcium	ppm	ASTM D5185m	0.5	<1	0	0
Phosphorus	ppm	ASTM D5185m	536	232	58	439
Zinc	ppm	ASTM D5185m	0.2	0	14	7
Sulfur	ppm	ASTM D5185m	649	399	74	501
Acid Number (AN)	mg KOH/g	ASTM D8045	0.337	▲ 8.727	0.173	0.317
Visc @ 40°C	cSt	ASTM D445	42.0	● 86.1	46.08	42.34



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCS06214816 **Received** : 19 Jun 2024
Lab Number : 06214816 **Tested** : 20 Jun 2024
Unique Number : 11087680 **Diagnosed** : 21 Jun 2024 - Don Baldrige
Test Package : IND 2

JEMCO-MAXAIR
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 US 58078
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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)