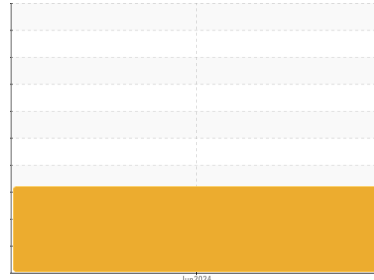




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area

[SV2405100182]

Machine Id

DAIKIN JEPSON UMW C1 (S/N STNU210100068)

Component

Refrigeration Compressor

Fluid

EMKARATE RL 68H (--- GAL)

DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

There is a trace of moisture present in the oil. Elemental level of silicon (Si) above normal.

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	WC0430698	---	---
Sample Date	Client Info	11 Jun 2024	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	Not Chngd	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >100	0	---	---
Chromium ppm	ASTM D5185m >2	0	---	---
Nickel ppm	ASTM D5185m	0	---	---
Titanium ppm	ASTM D5185m	0	---	---
Silver ppm	ASTM D5185m >2	0	---	---
Aluminum ppm	ASTM D5185m >50	0	---	---
Lead ppm	ASTM D5185m >2	0	---	---
Copper ppm	ASTM D5185m >100	0	---	---
Tin ppm	ASTM D5185m >4	0	---	---
Vanadium ppm	ASTM D5185m	0	---	---
Cadmium ppm	ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m 0	0	---	---
Barium ppm	ASTM D5185m 0	0	---	---
Molybdenum ppm	ASTM D5185m 0	0	---	---
Manganese ppm	ASTM D5185m	0	---	---
Magnesium ppm	ASTM D5185m 0	<1	---	---
Calcium ppm	ASTM D5185m 0	0	---	---
Phosphorus ppm	ASTM D5185m 5	<1	---	---
Zinc ppm	ASTM D5185m 10	0	---	---
Sulfur ppm	ASTM D5185m 50	0	---	---

CONTAMINANTS

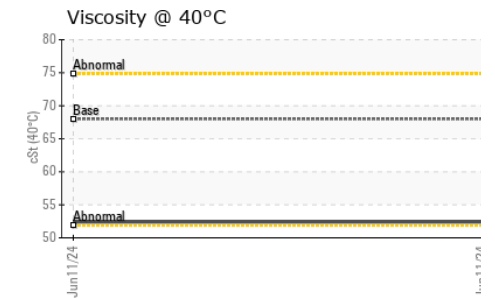
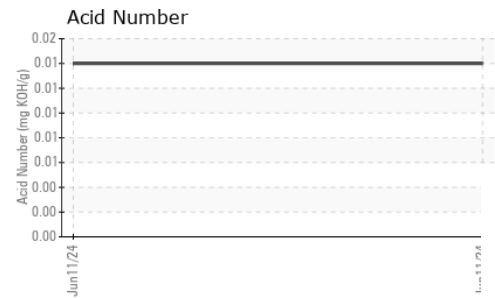
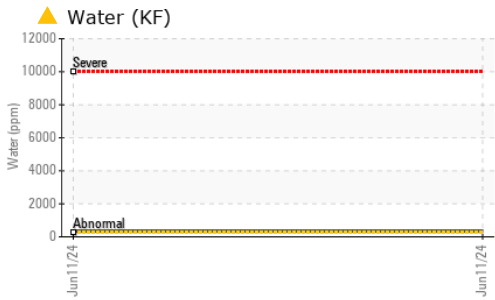
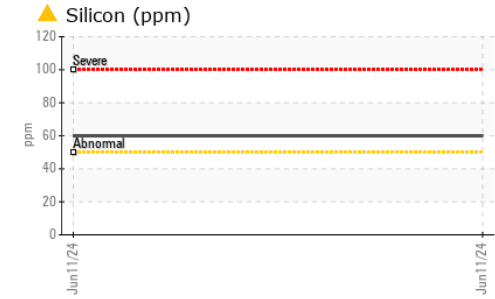
method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >50	▲ 60	---	---
Sodium ppm	ASTM D5185m	<1	---	---
Potassium ppm	ASTM D5185m >20	0	---	---
Water %	ASTM D6304 >0.02	▲ 0.034	---	---
ppm Water ppm	ASTM D6304 >250	▲ 344	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D974	0.014	---	---



OIL ANALYSIS REPORT



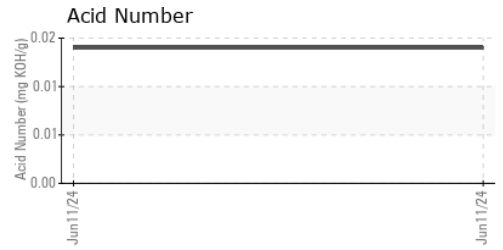
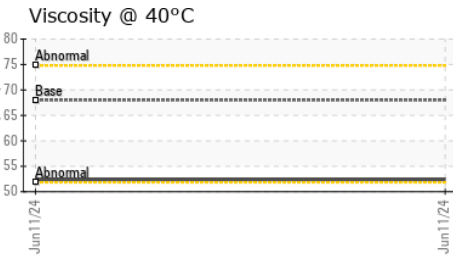
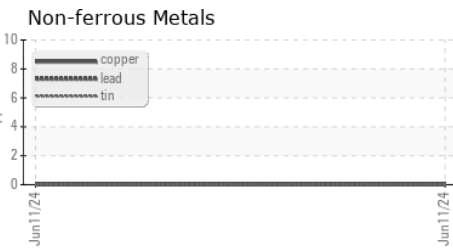
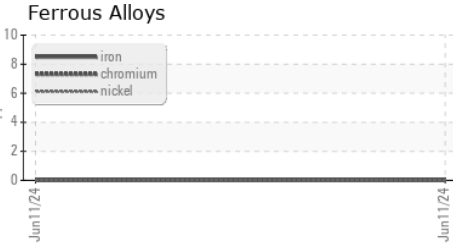
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.02	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 68	52.4	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0430698 **Received** : 16 Jul 2024
Lab Number : 06237857 **Tested** : 17 Jul 2024
Unique Number : 11126691 **Diagnosed** : 19 Jul 2024 - Jonathan Hester
Test Package : IND 2

DAIKIN APPLIED-RICHMOND
 8991 OLD STAPLES MILL ROAD
 HENRICO, VA
 US 23228
 Contact: AMANDA CARRIER
 amanda.carrier@daikinapplied.com

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)

T: (804)747-4822

F: (804)747-6686