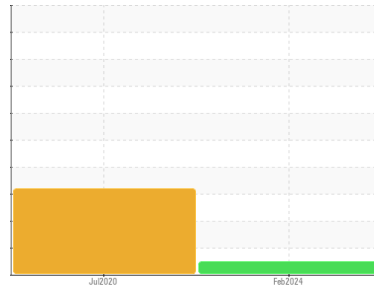


Area
SMART OIL 6000
Machine Id
HERTZ HBD00032 - AMISH DOOR
Component
Compressor
Fluid
SMARTOIL 6000 (--- GAL)



DIAGNOSIS

Recommendation

We suspect abnormal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

High concentration of visible dirt/debris present 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	UHK06100220	UCH05021511	---
Sample Date	Client Info	08 Feb 2024	02 Jul 2020	---
Machine Age	hrs	Client Info	1656	839
Oil Age	hrs	Client Info	1656	839
Oil Changed	Client Info	N/A	N/A	---
Sample Status		NORMAL	ATTENTION	---

CONTAMINATION method limit/base current history1 history2

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

Iron	ppm	ASTM D5185m	>50	0	4	---
Chromium	ppm	ASTM D5185m	>10	0	<1	---
Nickel	ppm	ASTM D5185m		1	8	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	0	<1	---
Lead	ppm	ASTM D5185m	>25	0	0	---
Copper	ppm	ASTM D5185m	>50	1	5	---
Tin	ppm	ASTM D5185m	>15	<1	0	---
Antimony	ppm	ASTM D5185m		---	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		0	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	<1	---
Magnesium	ppm	ASTM D5185m		0	4	---
Calcium	ppm	ASTM D5185m	20	0	2	---
Phosphorus	ppm	ASTM D5185m		464	49	---
Zinc	ppm	ASTM D5185m		16	85	---
Sulfur	ppm	ASTM D5185m		246	194	---

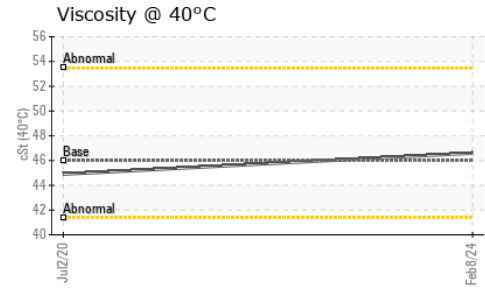
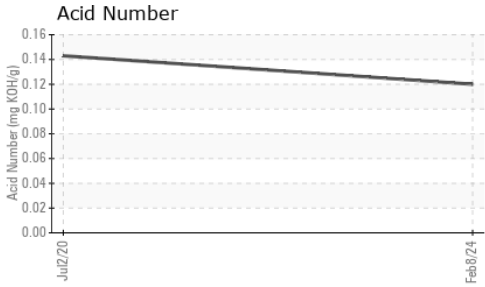
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>25	2	4	---
Sodium	ppm	ASTM D5185m		1	2	---
Potassium	ppm	ASTM D5185m	>20	0	<1	---

FLUID DEGRADATION method limit/base current history1 history2

Acid Number (AN)	mg KOH/g	ASTM D8045		0.12	0.143	---
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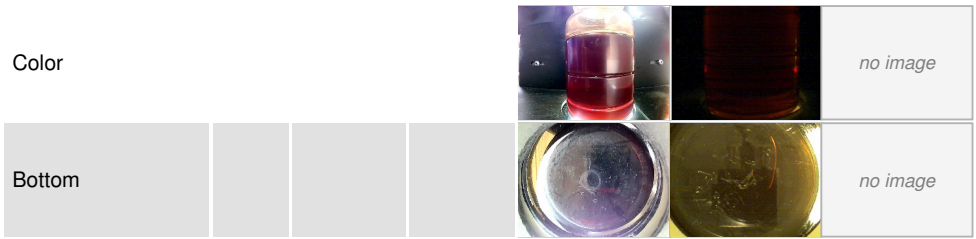
OIL ANALYSIS REPORT



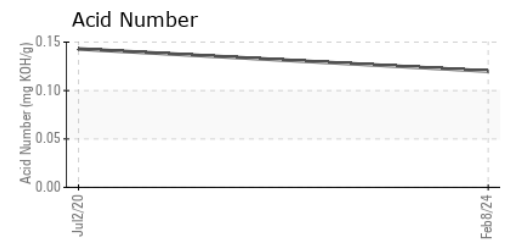
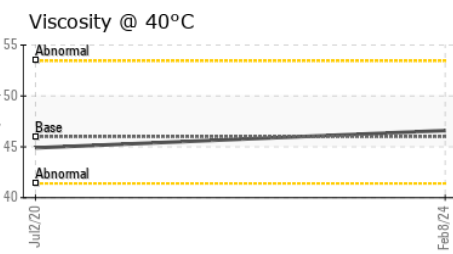
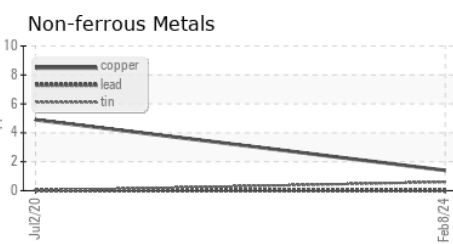
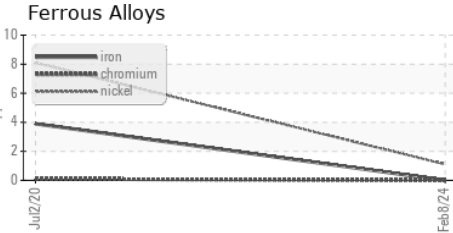
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	HEAVY	VLITE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	0.2%
Free Water	scalar	*Visual		NEG	1.0

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	46.6	44.9	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UHK06100220 **Received** : 26 Feb 2024
Lab Number : 06100220 **Tested** : 27 Feb 2024
Unique Number : 10898450 **Diagnosed** : 28 Feb 2024 - Jonathan Hester
Test Package : IND 2

HERTZ KOMPRESSOREN USA INC
 3320 SERVICE ST
 CHARLOTTE, NC
 US 28206
 Contact: WARRANTY
 warranty@hertz-kompressoren.us
 T: (704)579-5900
 F: (704)579-5997

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)