



OIL ANALYSIS REPORT

WEAR	ATTENTION
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area
VISION 8000
Machine Id
HODGE 2201020441 - ART STONE GRANITE
Component
Compressor

RECOMMENDATION

We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UHC0000803	UHC0000831	UHC0000792
Sample Date		Client Info		13 May 2024	23 Jan 2024	16 Oct 2023
Machine Age	hrs	Client Info		5794	4946	4116
Oil Age	hrs	Client Info		0	828	1103
Filter Age	hrs	Client Info		0	828	413
Oil Changed		Client Info		N/A	Not Changd	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				ATTENTION	ATTENTION	ABNORMAL

WEAR

The iron level is abnormal. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	107	145	64
Chromium	ppm	ASTM D5185m	>10	2	2	<1
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	1	4
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

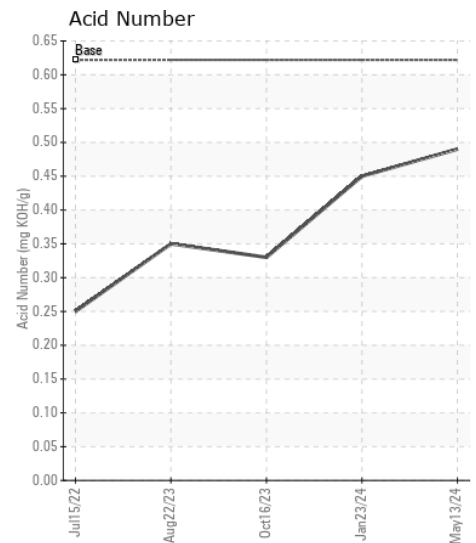
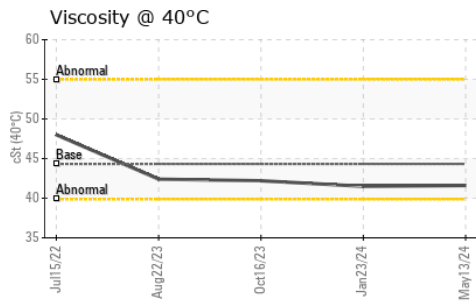
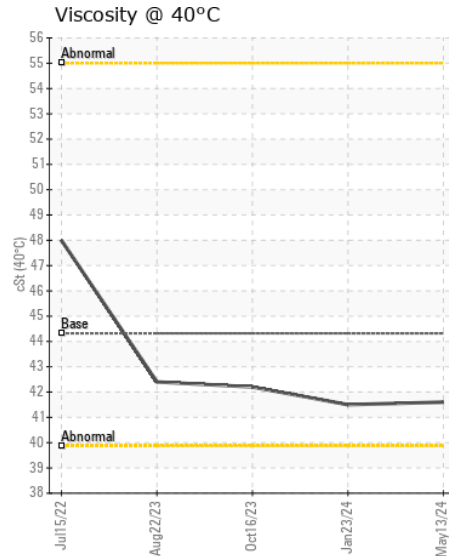
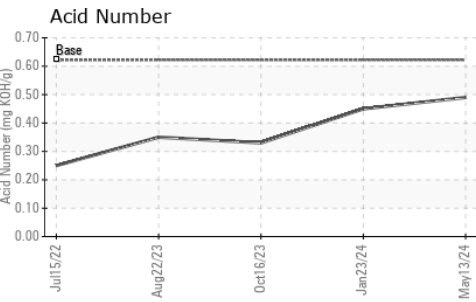
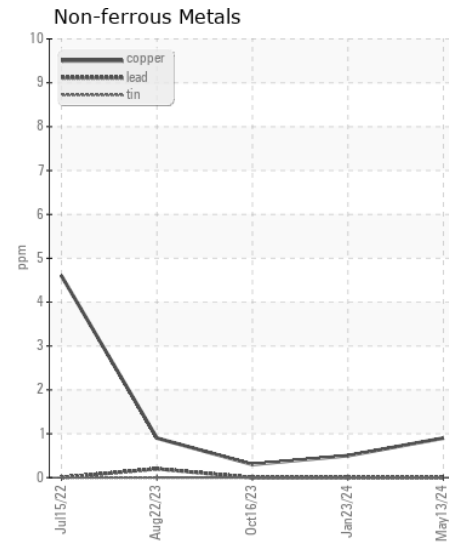
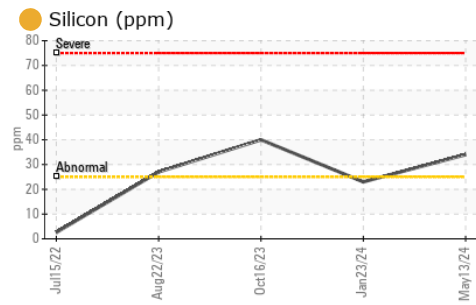
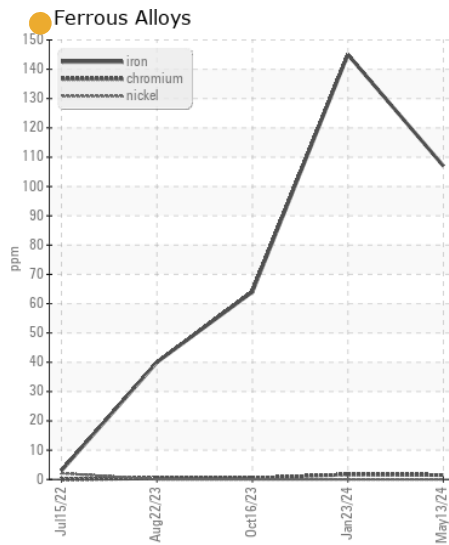
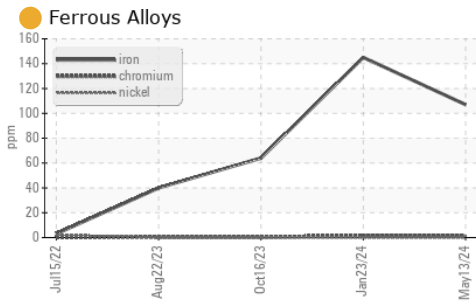
Elemental level of silicon (Si) above normal.

Silicon	ppm	ASTM D5185m	>25	34	23	40
Potassium	ppm	ASTM D5185m	>20	3	4	3
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	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	0.2%

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		9	11	11
Boron	ppm	ASTM D5185m	0.3	0	0	0
Barium	ppm	ASTM D5185m	0.3	1	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0.9	<1	0	0
Magnesium	ppm	ASTM D5185m	0.2	<1	1	2
Calcium	ppm	ASTM D5185m	0.1	7	4	5
Phosphorus	ppm	ASTM D5185m	429	491	458	460
Zinc	ppm	ASTM D5185m	0.3	66	49	52
Sulfur	ppm	ASTM D5185m	1336	1255	1125	904
Acid Number (AN)	mg KOH/g	ASTM D8045	0.622	0.49	0.45	0.33
Visc @ 40°C	cSt	ASTM D445	44.32	41.6	41.5	42.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : UHC0000803

Lab Number : 06211835

Unique Number : 11084699

Test Package : IND 2

Received : 17 Jun 2024

Tested : 18 Jun 2024

Diagnosed : 19 Jun 2024 - Don Baldrige

ATLANTA AIR COMPRESSOR

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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)