

OIL ANALYSIS REPORT

Area SMART OIL 6000 Machine Id HERTZ VD002773 - MICROWAY SYSTEMS Component

Compressor

SMARTOIL 6000 (1 GAL)

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

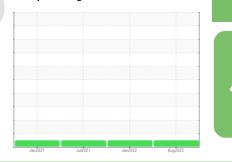
All component wear rates are normal.

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 acceptable for the time in service.



Sample Rating Trend

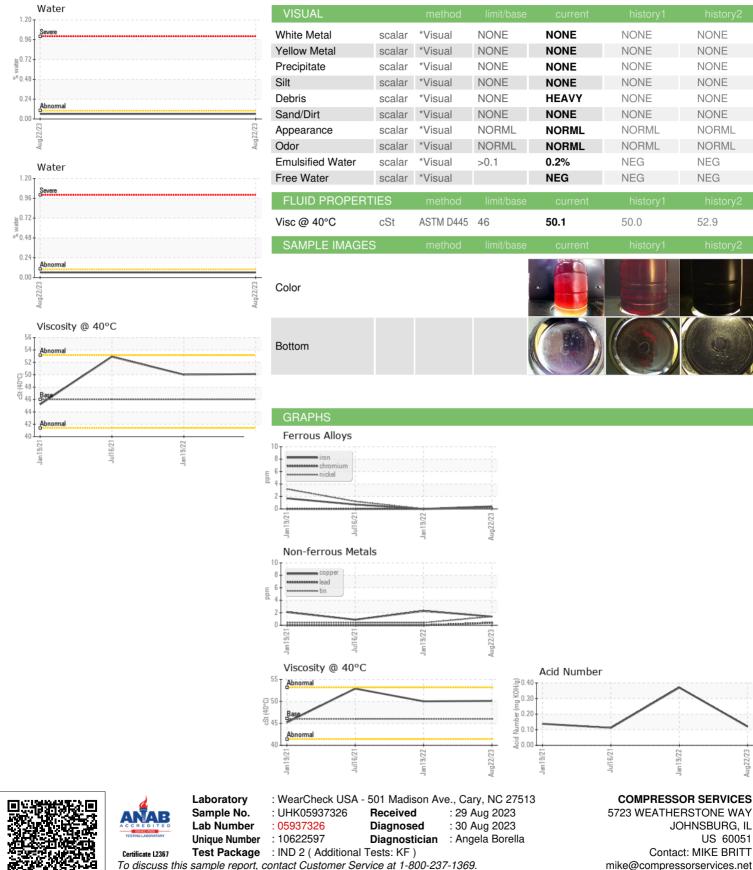


NORMAL

SAMPLE INFORM	<u>IATIO</u> N	method	limit/base	current	history1	history2
Sample Number		Client Info		UHK05937326	UCH05491370	UCH05308681
Sample Date		Client Info		22 Aug 2023	19 Jan 2022	16 Jul 2021
Machine Age	hrs	Client Info		9820	5902	4749
Oil Age	hrs	Client Info		1567	0	2700
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		0	0	1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	0	<1	0
Lead	ppm	ASTM D5185m	>25	<1	0	0
Copper	ppm	ASTM D5185m	>50	1	2	<1
Tin	ppm	ASTM D5185m	>15	1	<1	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	1	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		6	0	0
Calcium	ppm	ASTM D5185m	20	0	0	34
Phosphorus	ppm	ASTM D5185m		522	425	342
Zinc	ppm	ASTM D5185m		20	0	5
Sulfur	ppm	ASTM D5185m		1220	989	212
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	2	4
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	2	<1	0
Water	%	ASTM D6304	>0.1	0.062		
ppm Water	ppm	ASTM D6304	>1000	620		
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.12	0.37	0.112



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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)

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Jan 19/22

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US 60051

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

52.9