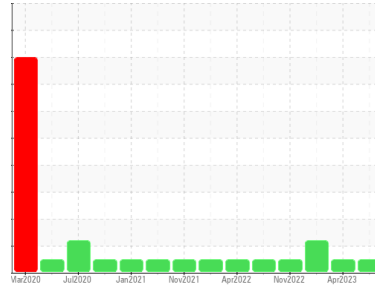




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
INGERSOLL RAND VN1740U14252 - US ENGINE VALVE

Component
Compressor

Fluid
INGERSOLL-RAND SSR ULTRA COOLANT (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination 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	WC0826053	WC0730068	WC0758105	
Sample Date	Client Info	28 Sep 2023	23 Apr 2023	18 Jan 2023	
Machine Age	hrs	Client Info	0	0	50071
Oil Age	hrs	Client Info	0	0	3298
Oil Changed	Client Info	N/A	N/A	Not Changd	
Sample Status		NORMAL	NORMAL	ABNORMAL	

WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>50	<1	<1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	0	<1
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	500	494	682	671
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	0	<1	2	<1
Calcium	ppm	ASTM D5185m	0	<1	3	2
Phosphorus	ppm	ASTM D5185m	20	<1	2	5
Zinc	ppm	ASTM D5185m	0	0	2	1
Sulfur	ppm	ASTM D5185m	200	590	489	711

CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>25	<1	<1	1
Sodium	ppm	ASTM D5185m		52	40	30
Potassium	ppm	ASTM D5185m	>20	12	9	6

FLUID DEGRADATION

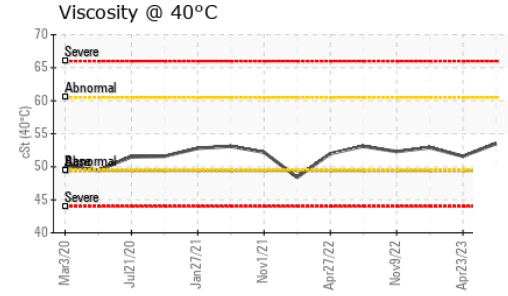
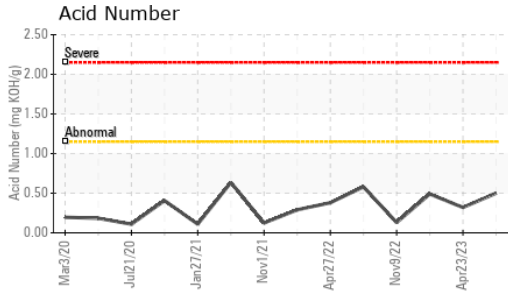
method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D8045		0.50	0.32	0.49

VISUAL

method	limit/base	current	history1	history2		
White Metal	scalar	*Visual	NONE	LIGHT	NONE	▲ MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
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	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

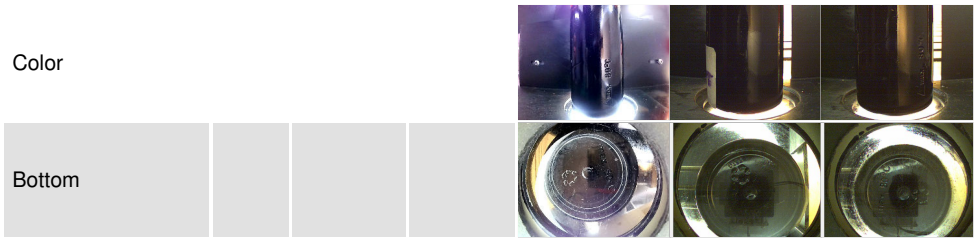


OIL ANALYSIS REPORT

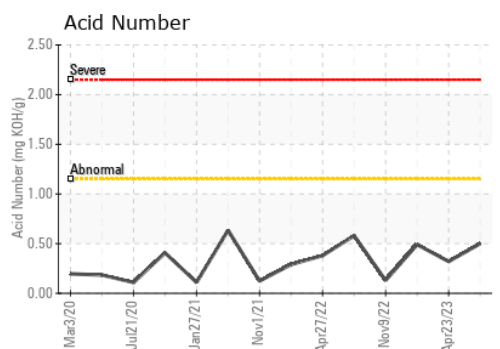
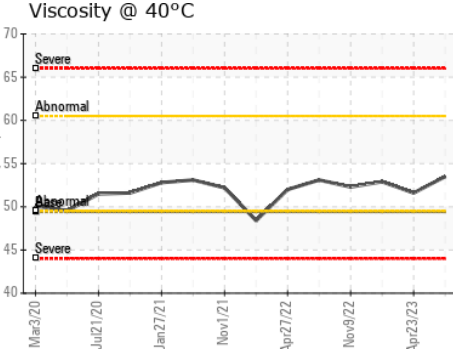
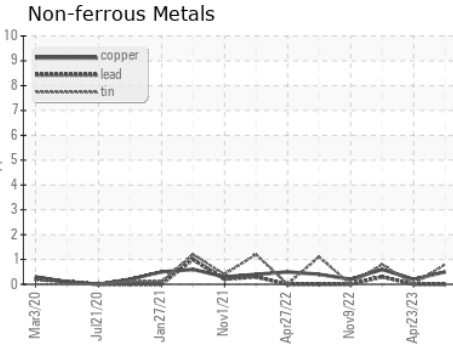
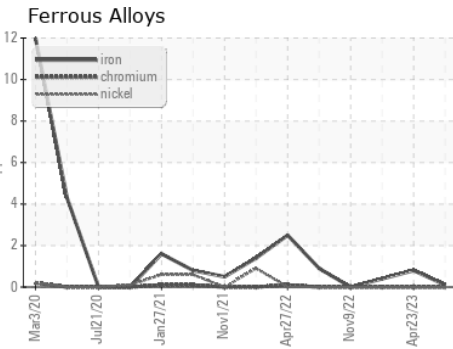


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	49.4	53.5	51.6	52.9

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0826053
Lab Number : **05964743**
Unique Number : 10671294
Test Package : IND 2
Received : 29 Sep 2023
Diagnosed : 02 Oct 2023
Diagnostician : Don Baldrige

ELEVATED INDUSTRIAL SOLUTIONS - EIS
 302 HUGHES ST
 FOUNTAIN INN, SC
 US 29644
 Contact: DARRIN WARD
 dward@elevatedindustrial.com
 T:
 F: (864)862-7653

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)