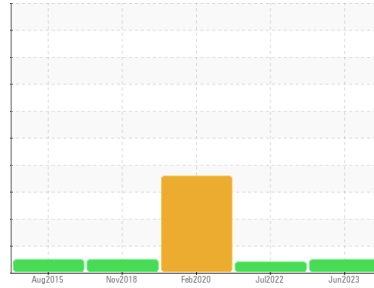




Machine Id
PRESS 9 FEEDER PRESS 9 FEEDER

Component
Hydraulic System

Fluid
AW HYDRAULIC OIL ISO 32 (--- LTR)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

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	PC0061354	PC0010466	PC0010496
Sample Date	Client Info	20 Jun 2023	04 Jul 2022	12 Feb 2020
Machine Age	days	0	0	0
Oil Age	days	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	ABNORMAL	SEVERE

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >20	1	<1	<1
Chromium	ppm	ASTM D5185(m) >20	0	0	<1
Nickel	ppm	ASTM D5185(m) >20	<1	0	0
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	0	0	0
Aluminum	ppm	ASTM D5185(m) >20	0	<1	0
Lead	ppm	ASTM D5185(m) >20	0	<1	0
Copper	ppm	ASTM D5185(m) >20	1	<1	1
Tin	ppm	ASTM D5185(m) >20	0	0	0
Antimony	ppm	ASTM D5185(m)	0	0	<1
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m) 5	<1	<1	<1
Barium	ppm	ASTM D5185(m) 5	<1	0	<1
Molybdenum	ppm	ASTM D5185(m) 5	0	0	0
Manganese	ppm	ASTM D5185(m)	0	0	0
Magnesium	ppm	ASTM D5185(m) 25	<1	<1	<1
Calcium	ppm	ASTM D5185(m) 200	45	47	51
Phosphorus	ppm	ASTM D5185(m) 300	350	312	339
Zinc	ppm	ASTM D5185(m) 370	407	393	434
Sulfur	ppm	ASTM D5185(m) 2500	733	747	750
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >15	0	0	<1
Sodium	ppm	ASTM D5185(m)	<1	<1	0
Potassium	ppm	ASTM D5185(m) >20	<1	<1	<1

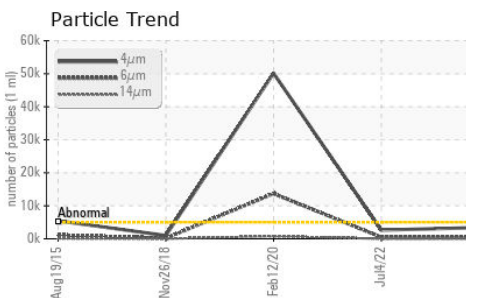
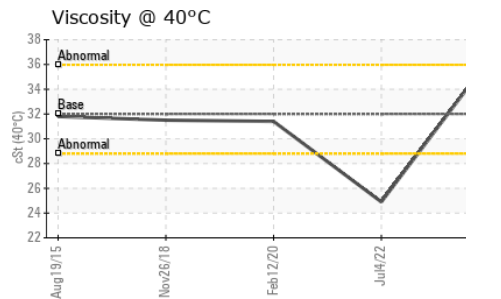
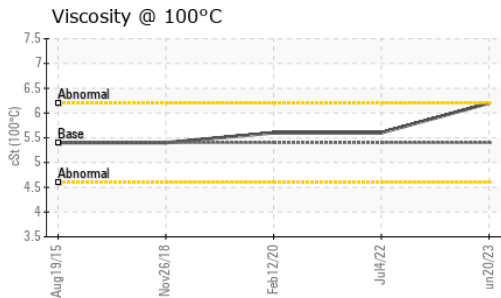
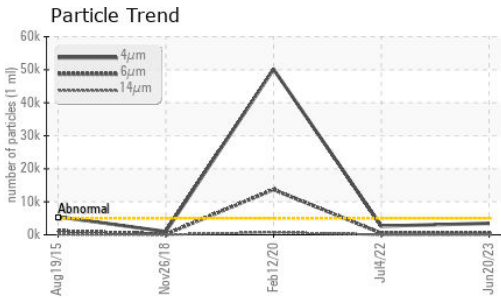
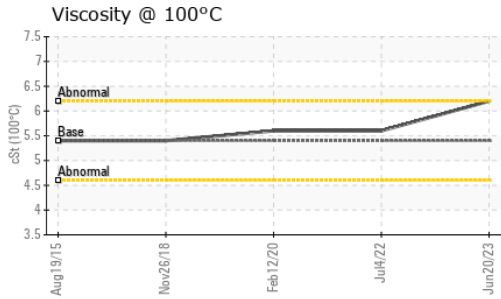
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	3476	2640	50153
Particles >6µm	ASTM D7647 >1300	388	496	13690
Particles >14µm	ASTM D7647 >160	15	20	765
Particles >21µm	ASTM D7647 >40	6	3	212
Particles >38µm	ASTM D7647 >10	1	0	3
Particles >71µm	ASTM D7647 >3	0	0	0
Oil Cleanliness	ISO 4406 (c) >19/17/14	19/16/11	19/16/11	23/21/17

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974* 0.57	0.46	0.27	0.303

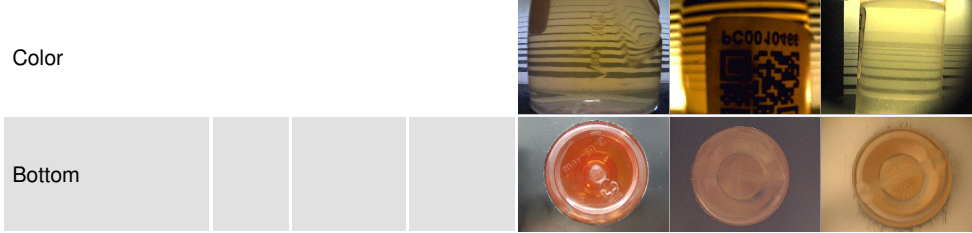
OIL ANALYSIS REPORT



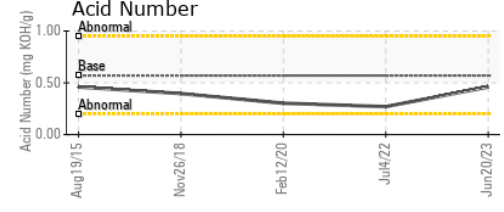
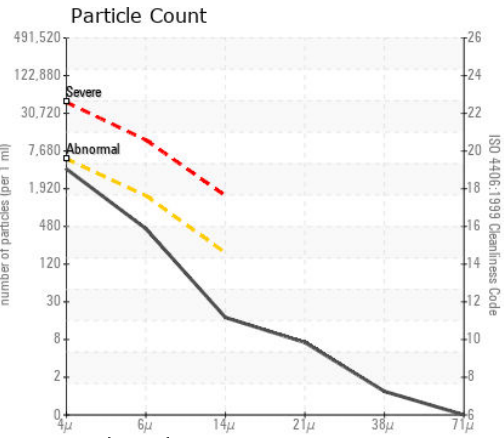
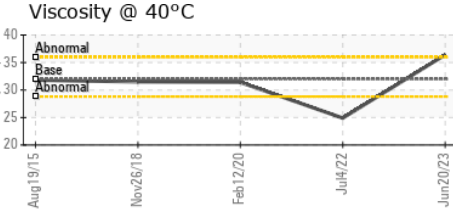
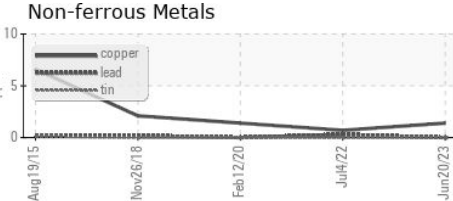
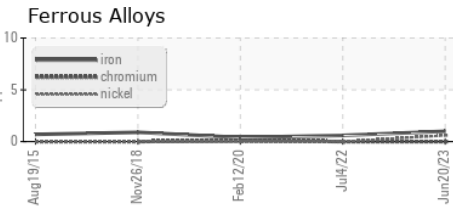
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.05	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	32	36.4 ▲	24.9	31.4
Visc @ 100°C	cSt	ASTM D7279(m)	5.4	6.2	5.6	5.6
Viscosity Index (VI)	Scale	ASTM D2270*	102	118	174	117

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0061354 **Received** : 23 Jun 2023
Lab Number : 02566154 **Diagnosed** : 26 Jun 2023
Unique Number : 5603200 **Diagnostician** : Wes Davis
Test Package : IND 2 (Additional Tests: KV100, TAN Man, VI)

Venest Industries Inc.
 2032 First Street Louth
 St. Catharines, ON
 CA L2S 0C5
 Contact: Allen Taylor
 allen.taylor@magna.com
 T: (905)401-9948
 F:

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.