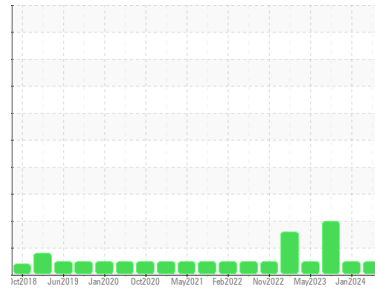




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area

North Plant-Fermentation

Machine Id

AG1760B

Component

Gearbox

Fluid

ROYAL PURPLE SYNFILM GT 320 (20 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. The amount and size of particulates present in the system are 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		WC0941394	WC0850047	WC0850028
Sample Date	Client Info		24 May 2024	24 Jan 2024	16 Oct 2023
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	3	<1	0
Chromium	ppm	ASTM D5185m >10	<1	<1	0
Nickel	ppm	ASTM D5185m >10	<1	0	0
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	4	2	0
Lead	ppm	ASTM D5185m >50	<1	0	0
Copper	ppm	ASTM D5185m >200	61	12	16
Tin	ppm	ASTM D5185m >10	<1	0	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	0	0
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	<1	0	0
Manganese	ppm	ASTM D5185m	0	0	0
Magnesium	ppm	ASTM D5185m 90	<1	<1	0
Calcium	ppm	ASTM D5185m	2	0	0
Phosphorus	ppm	ASTM D5185m	32	13	21
Zinc	ppm	ASTM D5185m	0	0	0
Sulfur	ppm	ASTM D5185m	12198	20948	20662

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	2	6	5
Sodium	ppm	ASTM D5185m	13	0	0
Potassium	ppm	ASTM D5185m >20	3	<1	<1
Water	%	ASTM D6304 >0.2	0.002	0.008	0.008
ppm Water	ppm	ASTM D6304 >2000	20	84	86.4

FLUID CLEANLINESS

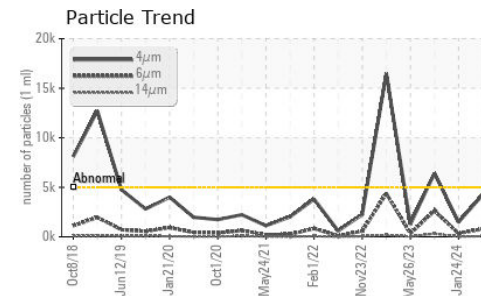
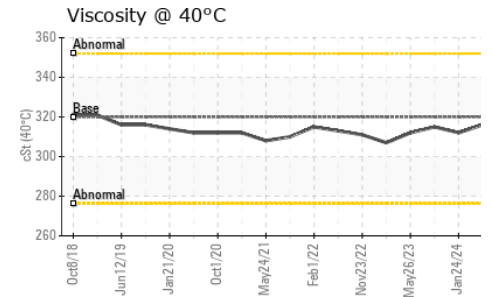
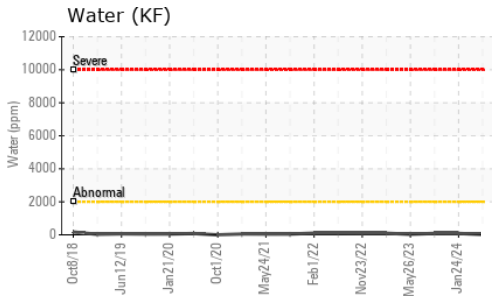
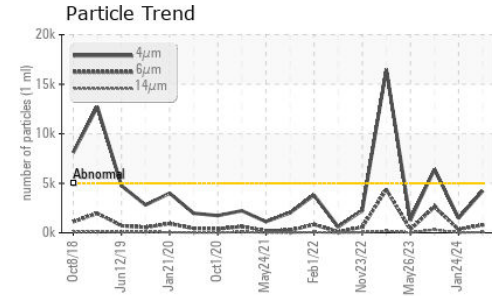
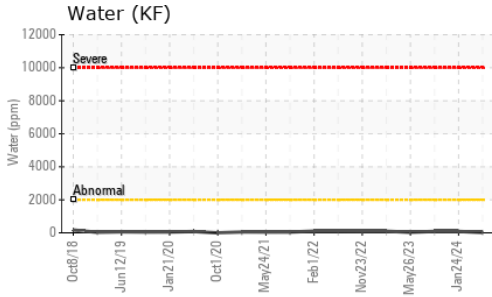
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	4230	1488	▲ 6419
Particles >6µm	ASTM D7647	>1300	780	344	▲ 2629
Particles >14µm	ASTM D7647	>160	62	23	▲ 311
Particles >21µm	ASTM D7647	>40	19	7	▲ 79
Particles >38µm	ASTM D7647	>10	1	0	2
Particles >71µm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	19/17/13	18/16/12	▲ 20/19/15

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.25	0.47	0.44	0.48



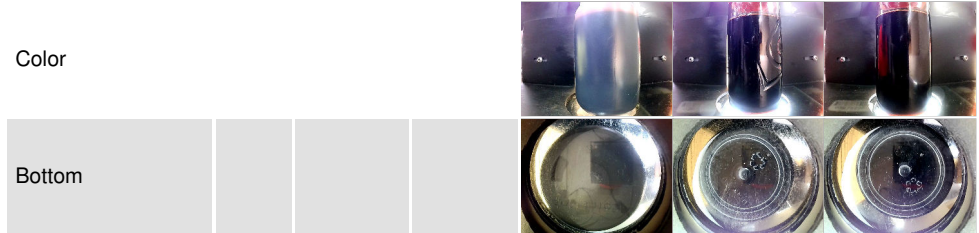
OIL ANALYSIS REPORT



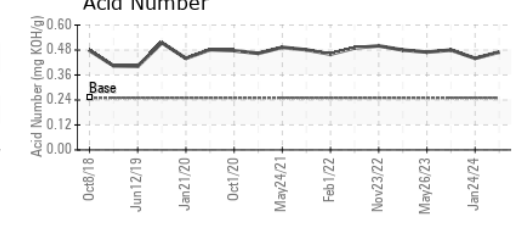
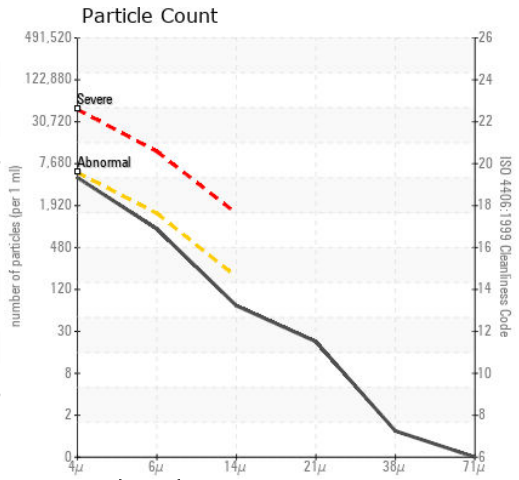
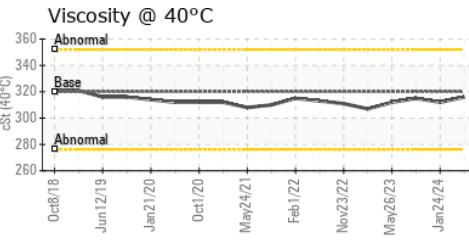
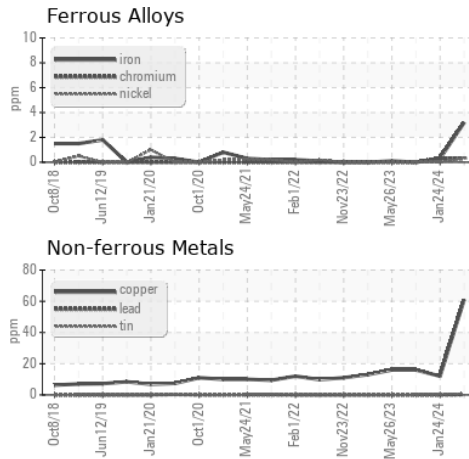
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	320	316	312

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. : WC0941394
 Lab Number : 06195452
 Unique Number : 11057575
 Test Package : PLANT

Received : 30 May 2024
 Tested : 31 May 2024
 Diagnosed : 31 May 2024 - Angela Borella

AJINOMOTO ANIMAL NUTRITION NORTH AMERICA, INC.
 1116 HWY 137
 EDDYVILLE, IA
 US 52553

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)

Contact: Alan Brittain
 brittaina@ajiuusa.com
 T: (641)295-0086

F: