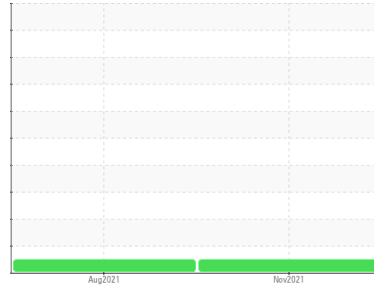




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
Separation
 Machine Id
2592-A S-Line crystalizer gearbox
 Component
Agitator Gearbox
 Fluid
Mobilgear 629 (--- 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	WC0623708	WC0608853	---
Sample Date	Client Info	30 Nov 2021	12 Aug 2021	---
Machine Age	hrs Client Info	0	0	---
Oil Age	hrs Client Info	0	0	---
Oil Changed	Client Info	N/A	N/A	---
Sample Status		NORMAL	NORMAL	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >150	1	<1	---
Chromium	ppm ASTM D5185m >10	0	0	---
Nickel	ppm ASTM D5185m >10	0	0	---
Titanium	ppm ASTM D5185m	0	0	---
Silver	ppm ASTM D5185m	0	<1	---
Aluminum	ppm ASTM D5185m >25	0	0	---
Lead	ppm ASTM D5185m >100	0	<1	---
Copper	ppm ASTM D5185m >50	0	<1	---
Tin	ppm ASTM D5185m >10	0	0	---
Antimony	ppm ASTM D5185m	7	3	---
Vanadium	ppm ASTM D5185m	0	0	---
Cadmium	ppm ASTM D5185m	0	<1	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	20	25	---
Barium	ppm ASTM D5185m	0	0	---
Molybdenum	ppm ASTM D5185m	0	0	---
Manganese	ppm ASTM D5185m	<1	<1	---
Magnesium	ppm ASTM D5185m	0	0	---
Calcium	ppm ASTM D5185m	0	0	---
Phosphorus	ppm ASTM D5185m	358	333	---
Zinc	ppm ASTM D5185m	0	0	---
Sulfur	ppm ASTM D5185m	12068	11023	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	0	<1	---
Sodium	ppm ASTM D5185m	0	0	---
Potassium	ppm ASTM D5185m >20	0	<1	---
Water	% ASTM D6304 >0.1	0.010	0.004	---
ppm Water	ppm ASTM D6304 >1000	103.5	40.9	---

FLUID CLEANLINESS

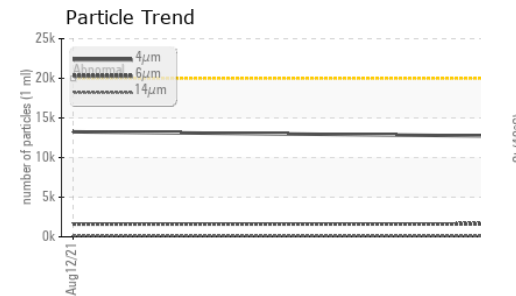
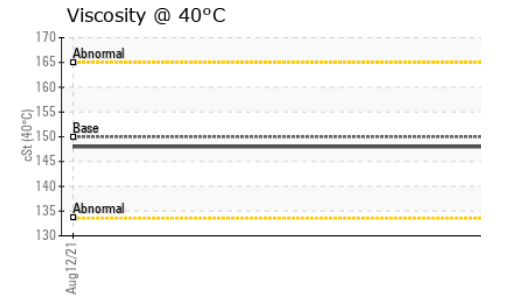
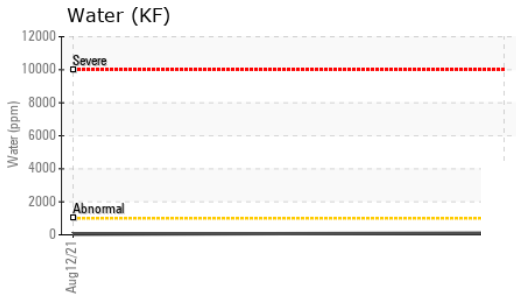
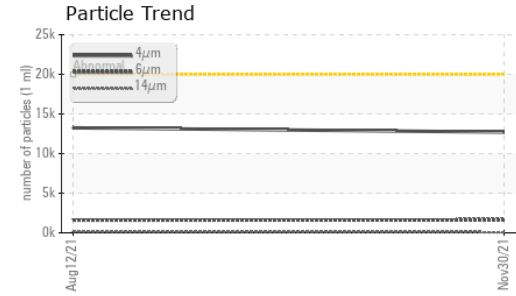
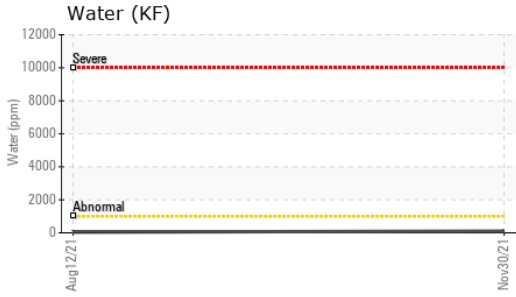
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >20000	12708	13249	---
Particles >6µm	ASTM D7647 >5000	1619	1607	---
Particles >14µm	ASTM D7647 >640	70	138	---
Particles >21µm	ASTM D7647 >160	12	35	---
Particles >38µm	ASTM D7647 >40	0	0	---
Particles >71µm	ASTM D7647 >10	0	0	---
Oil Cleanliness	ISO 4406 (c) >21/19/16	21/18/13	21/18/14	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.815	0.746	---



OIL ANALYSIS REPORT



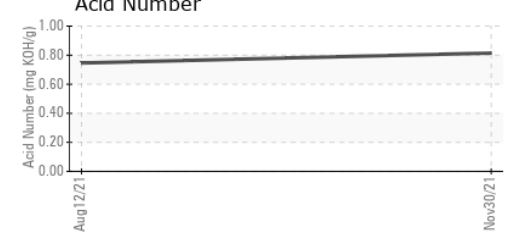
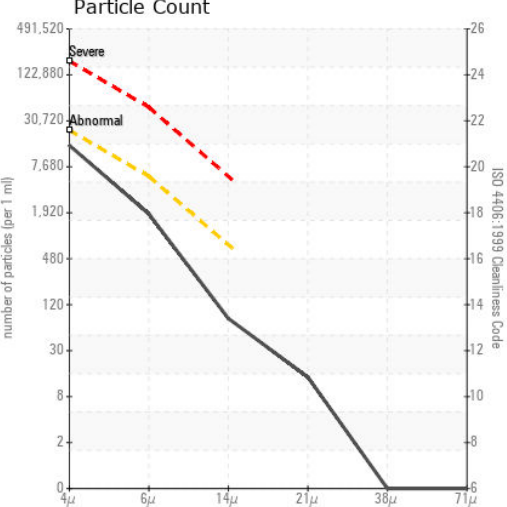
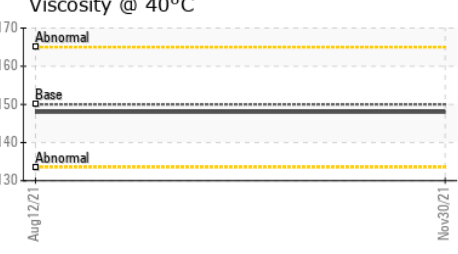
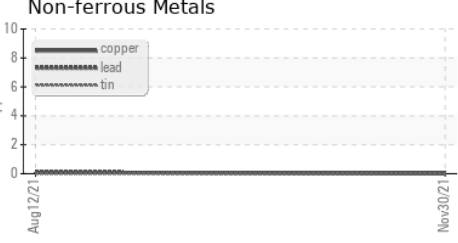
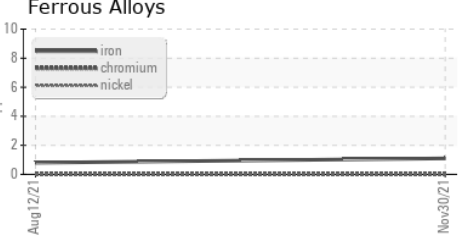
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	148	148

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0623708 **Received** : 09 Dec 2021
Lab Number : **05418978** **Diagnosed** : 10 Dec 2021
Unique Number : 9773169 **Diagnostician** : Angela Borella
Test Package : IND 2 (Additional Tests: KF, PrtCount)

AJINOMOTO USA
 4020 AJINOMOTO DRIVE
 RALEIGH, NC
 US 27610
 Contact: Michael Thompson
 thompsonm@ajiusa.com
 T: (919)723-2142
 F:

Certificate L2367
 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)