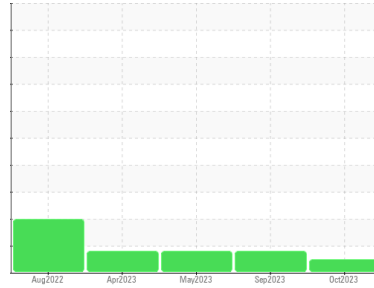




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area

Building 13
Machine Id
Conveyor 9

Component

Drive End Conveyor Gearbox

Fluid

SCHAEFFER 293A SUPREME GEAR LUBE NO TACK 220 (39 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	WC0853770	WC0853800	WC0782519
Sample Date	Client Info	25 Oct 2023	04 Sep 2023	05 May 2023
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	389	0
Oil Changed	Client Info	Oil Added	Not Chngd	N/A
Sample Status		NORMAL	ABNORMAL	ABNORMAL

WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>200	145	▲ 340	▲ 360
Chromium	ppm	ASTM D5185m	>10	<1	2	2
Nickel	ppm	ASTM D5185m	>10	<1	1	2
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		4	11	11
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		1	2	2
Tin	ppm	ASTM D5185m		0	<1	0
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		28	136	150
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		247	366	366
Manganese	ppm	ASTM D5185m		2	3	4
Magnesium	ppm	ASTM D5185m		1	5	7
Calcium	ppm	ASTM D5185m		3	5	19
Phosphorus	ppm	ASTM D5185m		549	1037	1159
Zinc	ppm	ASTM D5185m		0	0	27
Sulfur	ppm	ASTM D5185m		18325	27232	27488

CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m		14	20	42
Sodium	ppm	ASTM D5185m		<1	3	5
Potassium	ppm	ASTM D5185m	>20	0	<1	2

FLUID DEGRADATION

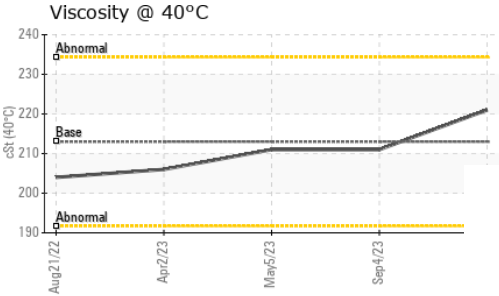
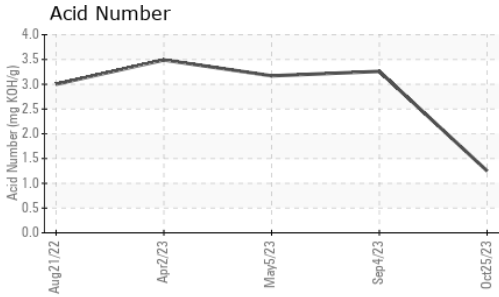
method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D8045		1.25	3.26	3.17

VISUAL

method	limit/base	current	history1	history2		
White Metal	scalar	*Visual	NONE	MODER	NONE	LIGHT
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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

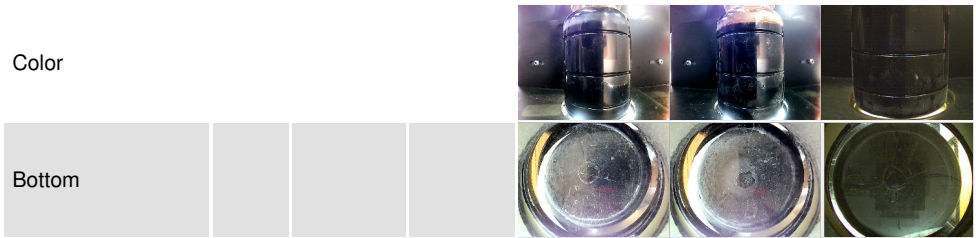


OIL ANALYSIS REPORT

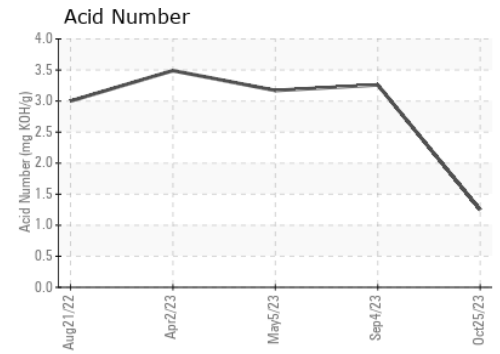
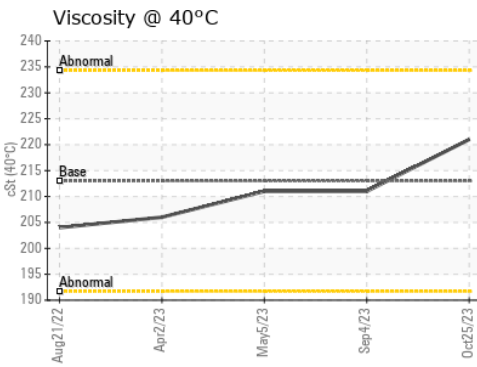
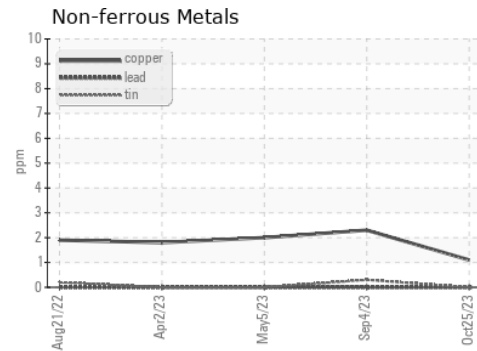
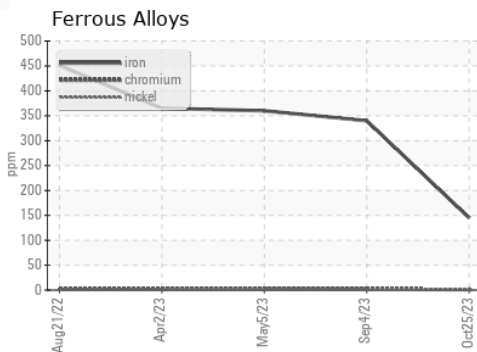


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	213	221	211	211

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. : WC0853770 **Received** : 15 Nov 2023
Lab Number : 06008468 **Diagnosed** : 17 Nov 2023
Unique Number : 10742230 **Diagnostician** : Don Baldrige
Test Package : IND 2

3M - PITTSBORO
 4191 NC 87 S
 MONCURE, NC
 US 27559
 Contact: CHARLES JARRELL
 cjarrell@mmm.com

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)

T:
F: