

Area **Coloring** Machine Id

LN1 Kiln

OIL ANALYSIS REPORT

Sample Rating Trend



Drive End 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.

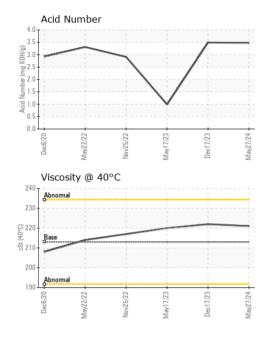
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

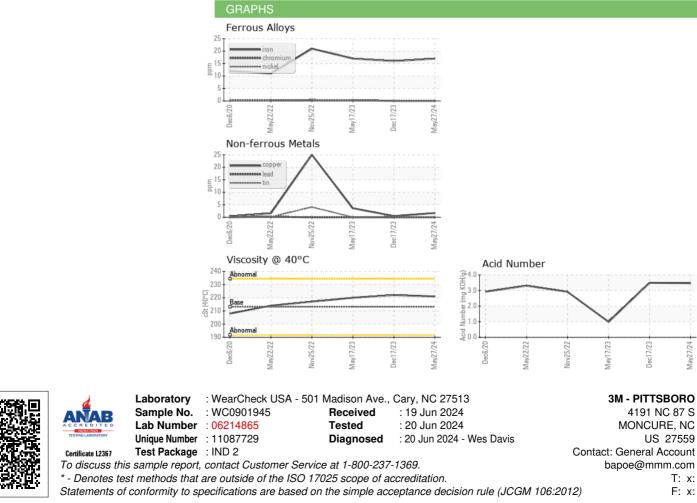
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0901945	WC0882540	WC0820045
Sample Date		Client Info		27 May 2024	17 Dec 2023	17 May 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	2860	6640
Oil Changed		Client Info		Oil Added	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	17	16	17
Chromium	ppm	ASTM D5185m	>15	0	0	<1
Nickel	ppm	ASTM D5185m	>15	0	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	6	5	2
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	2	<1	4
Tin	ppm	ASTM D5185m	>25	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		98	124	112
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		394	395	367
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		4	6	6
Calcium	ppm	ASTM D5185m		44	40	41
Phosphorus	ppm	ASTM D5185m		1183	1161	1077
Zinc	ppm	ASTM D5185m		33	20	26
Sulfur	ppm	ASTM D5185m		26312	20602	24701
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	9	8	8
Sodium	ppm	ASTM D5185m		8	6	7
Potassium	ppm	ASTM D5185m	>20	2	1	3
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		3.47	3.49	0.99



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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
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
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	213	221	222	220
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						



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