

OIL ANALYSIS REPORT

Sample Rating Trend



Conveyor 22

Drive End Conveyor Gearbox Fluid

SCHAEFFER 293A SUPREME GEAR LUBE NO TACK 220 (7 QTS)

DIAGNOSIS

Area

Recommendation

We advise that you check all areas where dirt can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor.

A Wear

The iron level is abnormal. All other component wear rates are normal.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

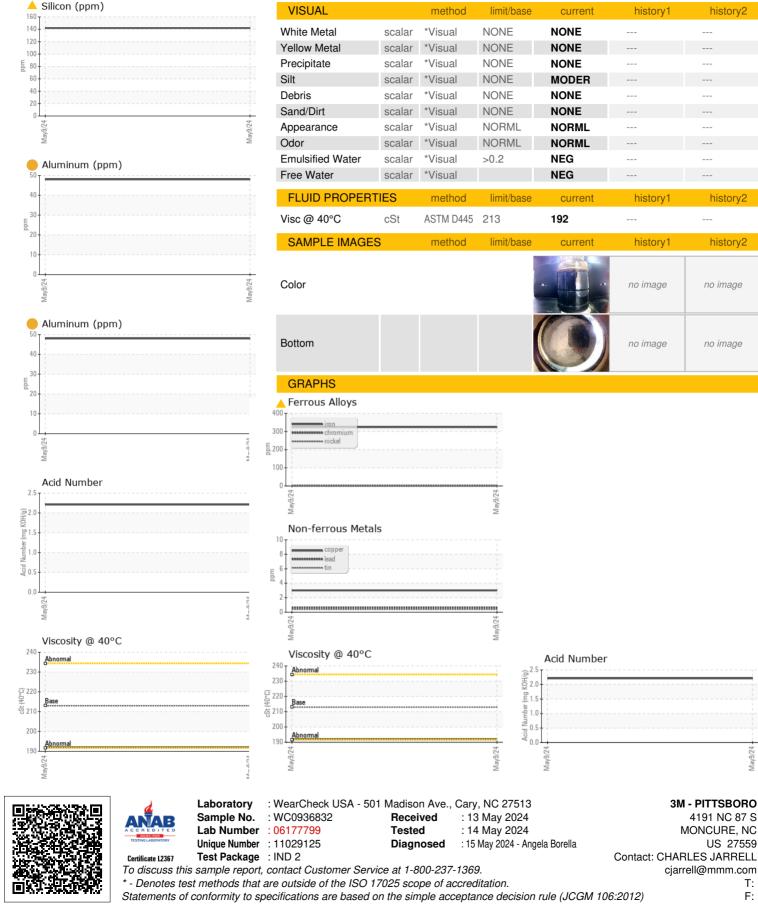
Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0936832		
Sample Date		Client Info		09 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	A 324		
Chromium	ppm	ASTM D5185m	>10	1		
Nickel	ppm	ASTM D5185m	>10	2		
Titanium	ppm	ASTM D5185m		4		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		<mark> </mark> 48		
Lead	ppm	ASTM D5185m		<1		
Copper	ppm	ASTM D5185m		3		
Tin	ppm	ASTM D5185m		<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		69		
Barium	ppm	ASTM D5185m		1		
Molybdenum	ppm	ASTM D5185m		294		
Manganese	ppm	ASTM D5185m		3		
Magnesium	ppm	ASTM D5185m		22		
Calcium	ppm	ASTM D5185m		60		
Phosphorus	ppm	ASTM D5185m		1004		
Zinc	ppm	ASTM D5185m		17		
Sulfur	ppm	ASTM D5185m		26558		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		<u> </u>		
Sodium	ppm	ASTM D5185m		15		
Potassium	ppm	ASTM D5185m	>20	8		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.21		



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Submitted By: JORDAN TUTEN

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