

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

FINISHING BAY CRANES **EST 30 NORTH TROLLEY** Component

Gearbox Fluic GEAR OIL ISO 220 (--- GAL)

DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

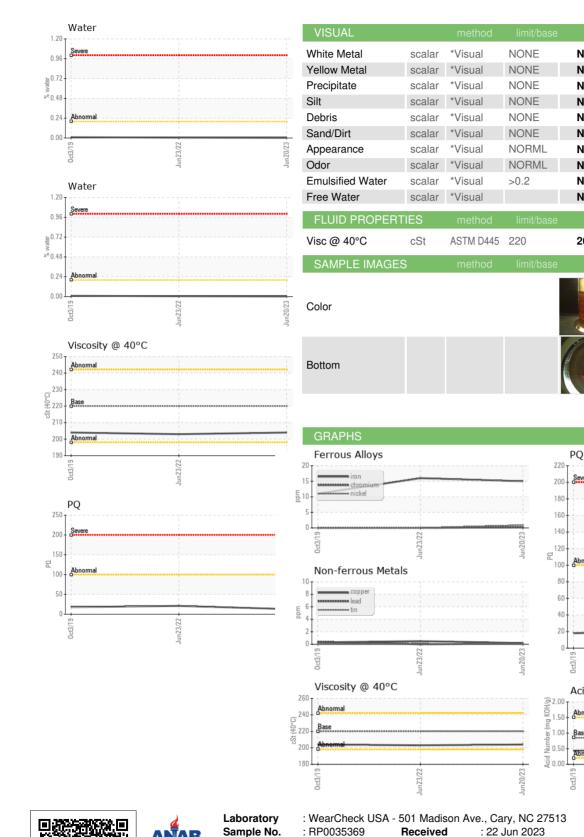
Fluid Condition

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

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SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0035369	RP0026603	RP199573
Sample Date		Client Info		20 Jun 2023	23 Jun 2022	03 Oct 2019
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	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		13	21	18
Iron	ppm	ASTM D5185m	>200	15	16	11
Chromium	ppm	ASTM D5185m	>15	<1	0	0
Nickel	ppm	ASTM D5185m	>15	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	<1
Lead	ppm	ASTM D5185m	>100	<1	0	<1
Copper	ppm	ASTM D5185m	>200	<1	<1	<1
Tin	ppm	ASTM D5185m	>25	0	<1	0
Antimony	ppm	ASTM D5185m	>5			0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	7	9	11
Barium	ppm	ASTM D5185m	15	0	0	0
Molybdenum	ppm	ASTM D5185m	15	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	50	<1	<1	0
Calcium	ppm	ASTM D5185m	50	9	<1	6
Phosphorus	ppm	ASTM D5185m	350	207	225	173
Zinc	ppm	ASTM D5185m	100	0	5	7
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	19	21	16
Sodium	ppm	ASTM D5185m		1	0	<1
Potassium	ppm	ASTM D5185m	>20	4	<1	0
Water	%	ASTM D6304	>0.2	0.002	0.005	0.009
ppm Water	ppm	ASTM D6304	>2000	21.1	51.4	93.8
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.45	0.46	0.425



OIL ANALYSIS REPORT



OUTOKUMPU STAINLESS USA HWY 43 N CALVERT, AL US 36513 Contact: MARIO JOHNSON Mario.johnson@outokumpu.com T: (251)321-4105 F: x: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

un23/22.

un23/22

Acid Number

Ba

G

: 24 Jun 2023

Abnorma

Certificate L2367

Lab Number

Unique Number

: 05880937

: 10526040 Test Package : IND 2 (Additional Tests: PQ)

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.

Diagnosed

Diagnostician : Wes Davis

Submitted By: DALE ROBINSON

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NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

204

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

204

LIGHT

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

203