

# **OIL ANALYSIS REPORT**

# Sample Rating Trend

## **NORMAL**



# FINISHING BAY CRANES

GEAR OIL ISO 220 (--- GAL)

# **EST 50.1 SOUTHEAST BRIDGE** Component Gearbox

### Recommendation

Resample at the next service interval to monitor.

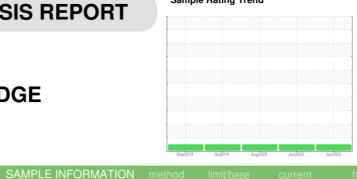
All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the

## Fluid Condition

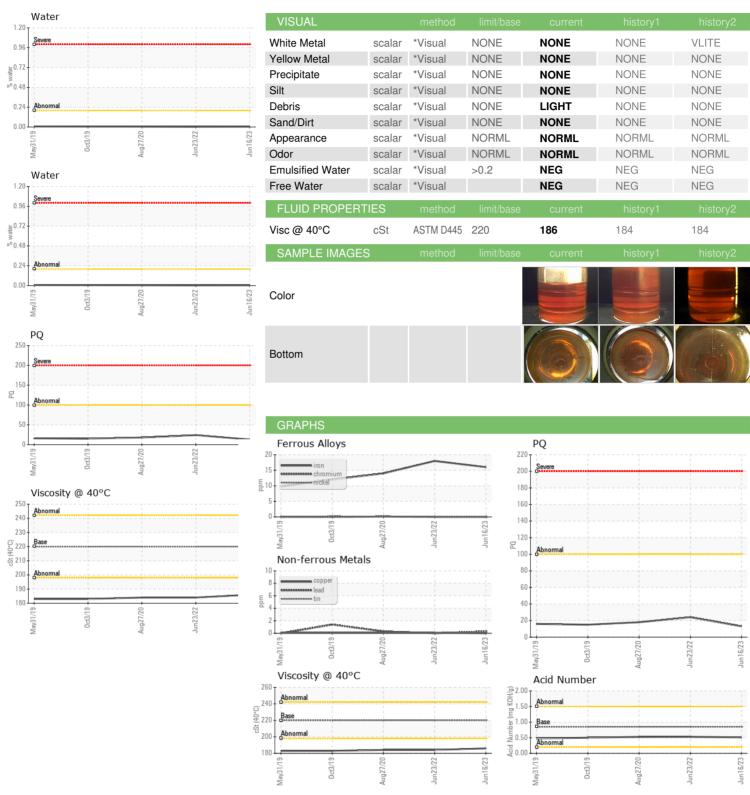
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



SAMPLE INFORM	MATION	memou	IIIIII/Dase	Current	Tilstory i	HISTORYZ
Sample Number		Client Info		RP0035127	RP0026599	RP0009870
Sample Date		Client Info		16 Jun 2023	23 Jun 2022	27 Aug 2020
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	24	18
Iron	ppm	ASTM D5185m	>200	16	18	14
Chromium	ppm	ASTM D5185m	>15	0	0	<1
Nickel	ppm	ASTM D5185m	>15	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>25	<1	<1	0
Lead	ppm	ASTM D5185m	>100	<1	0	<1
Copper	ppm	ASTM D5185m	>200	0	<1	<1
Tin	ppm	ASTM D5185m	>25	<1	0	0
Antimony	ppm	ASTM D5185m	>5			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	50	0	4	4
Barium	ppm	ASTM D5185m	15	0	0	<1
Molybdenum	ppm	ASTM D5185m	15	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	50	0	<1	<1
Calcium	ppm	ASTM D5185m	50	9	2	14
Phosphorus	ppm	ASTM D5185m	350	218	269	207
Zinc	ppm	ASTM D5185m	100	0	5	0
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	25	28	22
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	2	0	1
Water	%	ASTM D6304	>0.2	0.003	0.002	0.004
ppm Water	ppm	ASTM D6304	>2000	29.0	19.0	49.6
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.51	0.53	0.526



# **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: 05876874 : 10521977

: RP0035127

Diagnosed Diagnostician : Jonathan Hester

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.

**OUTOKUMPU STAINLESS USA** 

HWY 43 N CALVERT, AL US 36513

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Received

: 19 Jun 2023

: 21 Jun 2023