

# **OIL ANALYSIS REPORT**

## Sample Rating Trend

## **NORMAL**



# FINISHING BAY CRANES **EST 10 MAIN GEARBOX**

**Auxiliary Gearbox** 

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.



SAMPLE INFORM	MATION	method	limit/base	current	history1	nistory2
Sample Number		Client Info		RP0034481	RP0016827	RP0009835
Sample Date		Client Info		16 Jun 2023	22 Mar 2021	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	38	21
Iron	ppm	ASTM D5185m	>200	4	40	21
Chromium	ppm	ASTM D5185m	>15	0	<1	<1
Nickel	ppm	ASTM D5185m	>15	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	<1	<1
Tin	ppm	ASTM D5185m	>25	0	0	0
Antimony	ppm	ASTM D5185m	>5		0	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	8	10	10
Barium	ppm	ASTM D5185m	15	0	0	<1
Molybdenum	ppm	ASTM D5185m	15	0	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	50	0	<1	0
Calcium	ppm	ASTM D5185m	50	50	14	7
Phosphorus	ppm	ASTM D5185m	350	186	213	206
Zinc	ppm	ASTM D5185m	100	0	0	0
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	10	9	6
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
Water	%	ASTM D6304	>0.2	0.006	0.005	0.009
ppm Water	ppm	ASTM D6304	>2000	67.4	52.5	90.0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A : INI   (AND	1/011/	4 OT1 4 D00 45	0.05	0.54	0.400	0.40=

0.51

Acid Number (AN)

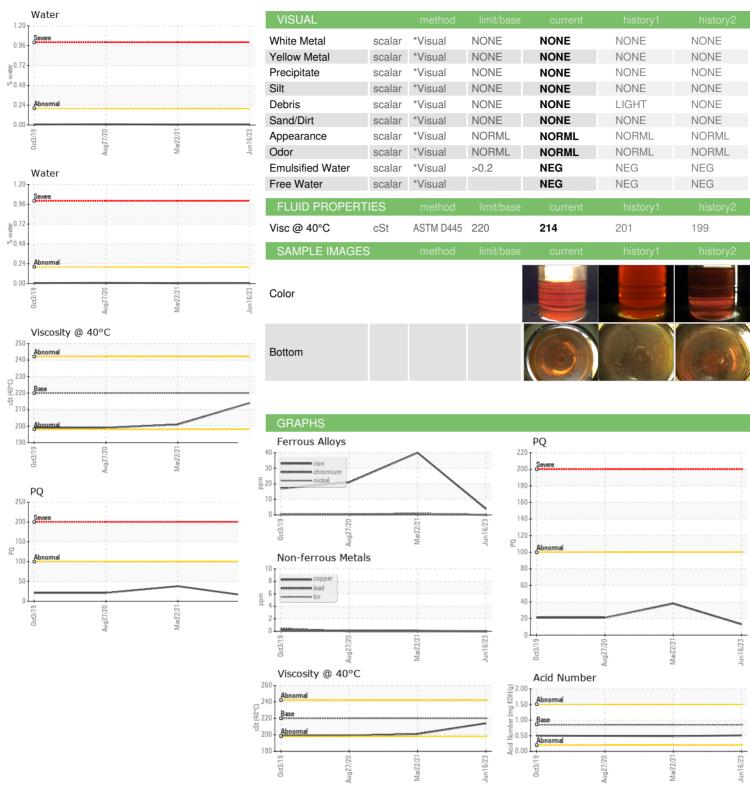
mg KOH/g ASTM D8045 0.85

0.488

0.495



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number** 

: 05876863 : 10521966 Test Package : IND 2 (Additional Tests: PQ)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : RP0034481

: 19 Jun 2023 Diagnosed : 20 Jun 2023 Diagnostician : Wes Davis

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** 

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