

# **OIL ANALYSIS REPORT**

## Sample Rating Trend

# **NORMAL**



# FINISHING BAY CRANES **EST 30 SOUTH TROLLEY**

Component

Gearbox

GEAR OIL ISO 220 (--- GAL)

### 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**

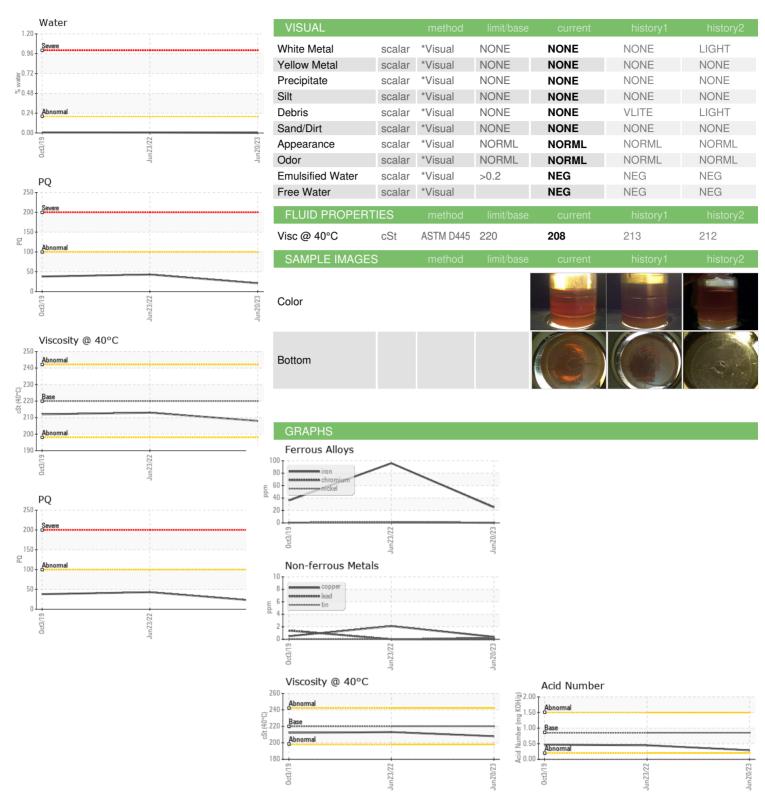
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

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Oct2019	Jun2022	Jun2023

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0035367	RP0026407	RP199571
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		21	43	38
Iron	ppm	ASTM D5185m	>200	25	96	36
Chromium	ppm	ASTM D5185m	>15	<1	<1	<1
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	0	0	1
Copper	ppm	ASTM D5185m	>200	<1	2	<1
Tin	ppm	ASTM D5185m	>25	<1	0	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	3	11	12
Barium	ppm	ASTM D5185m	15	0	0	0
Molybdenum	ppm	ASTM D5185m	15	<1	0	0
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m	50	3	0	0
Calcium	ppm	ASTM D5185m	50	17	4	6
Phosphorus	ppm	ASTM D5185m	350	178	225	167
Zinc	ppm	ASTM D5185m	100	14	11	8
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	12	41	20
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	3	1	<1
Water	%	ASTM D6304	>0.2	0.001	0.005	0.006
ppm Water	ppm	ASTM D6304	>2000	9.3	56.3	64.1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.29	0.45	0.470



# **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number

**Unique Number** 

: 05880947 : 10526050

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : RP0035367 Received : 22 Jun 2023 Diagnosed

: 26 Jun 2023 Diagnostician : Don Baldridge

Test Package : IND 2 ( Additional Tests: PQ, PrtCount ) 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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