

# **OIL ANALYSIS REPORT**

## Sample Rating Trend

NORMAL



# FINISHING BAY CRANES Machine Id Machine Id EST-20 MAIN HOIST (S/N 16-0167)

Component

Gearbox

GEAR OIL ISO 220 (--- QTS)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

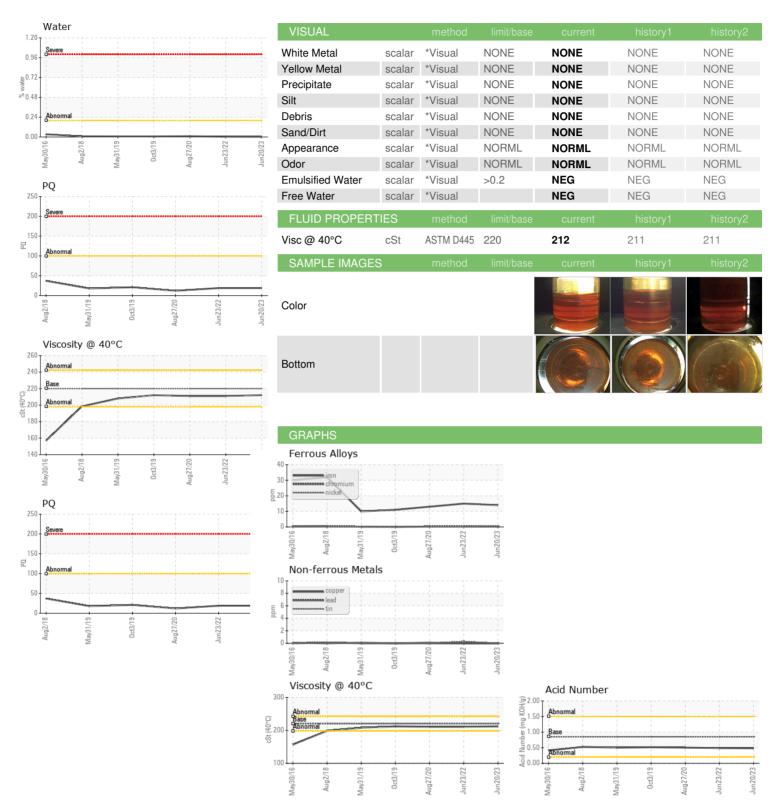
#### Fluid Condition

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

		May2016	Aug2018 May2019	Oct2019 Aug2020 Jun2022	Jun2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0035559	RP0026410	RP0009832
Sample Date		Client Info		20 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		19	19	12
Iron	ppm	ASTM D5185m	>200	14	15	13
Chromium	ppm	ASTM D5185m	>15	<1	<1	<1
Nickel	ppm	ASTM D5185m	>15	<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>25	0	<1	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	0	<1
Tin	ppm	ASTM D5185m	>25	0	<1	0
Antimony	ppm	ASTM D5185m	>5			0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	8	12	18
Barium	ppm	ASTM D5185m	15	0	0	<1
Molybdenum	ppm	ASTM D5185m	15	0	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	50	0	0	<1
Calcium	ppm	ASTM D5185m	50	26	19	26
Phosphorus	ppm	ASTM D5185m	350	208	226	192
Zinc	ppm	ASTM D5185m	100	0	4	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	15	15	11
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	3	0	<1
Water	%	ASTM D6304	>0.2	0.002	0.004	0.009
ppm Water	ppm	ASTM D6304	>2000	22.5	42.9	96.3
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.48	0.49	0.504



# **OIL ANALYSIS REPORT**







Certificate L2367

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

: RP0035559 : 05880945 : 10526048

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Jun 2023 : 26 Jun 2023

Diagnosed 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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