

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



FINISHING BAY CRANES **EST-30 NORTHEAST BRIDGE**

Component Gearbox

GEAR OIL ISO 220 (--- QTS)

Recommendation

Resample at the next service interval to monitor.

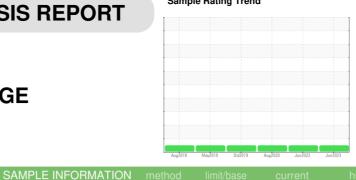
All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

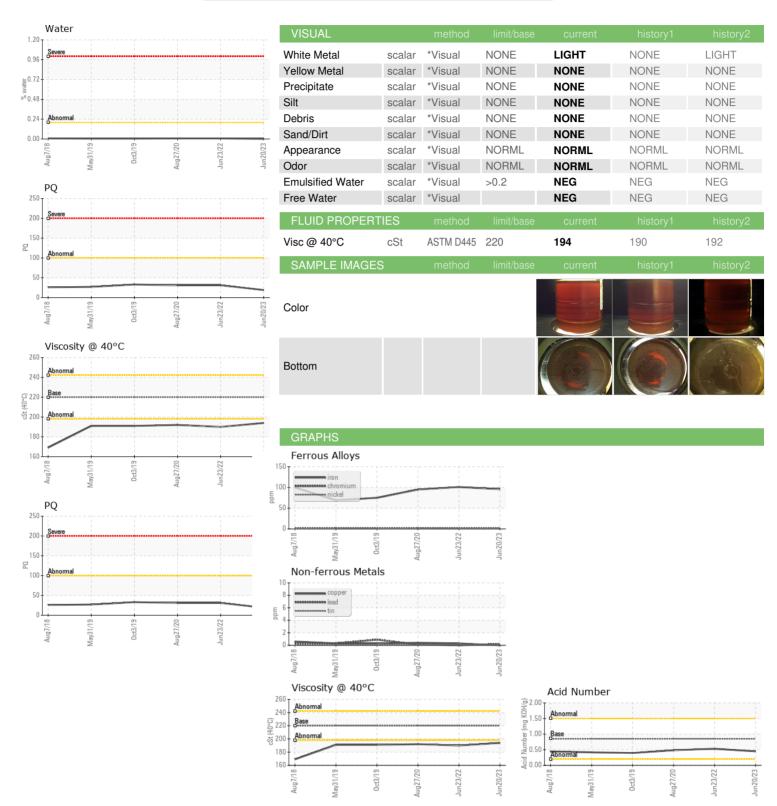
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



SAMPLE INFORM	MATION	method	IIIIII/Dase	Current	Thistory	HISTOLA
Sample Number		Client Info		RP0035366	RP0026413	RP0009849
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	31	31
Iron	ppm	ASTM D5185m	>200	96	101	95
Chromium	ppm	ASTM D5185m	>15	1	<1	1
Nickel	ppm	ASTM D5185m	>15	1	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	0	<1	0
Lead	ppm	ASTM D5185m	>100	<1	0	<1
Copper	ppm	ASTM D5185m	>200	0	<1	<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	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	<1	0	<1
Calcium	ppm	ASTM D5185m	50	35	4	23
Phosphorus	ppm	ASTM D5185m	350	224	242	212
Zinc	ppm	ASTM D5185m	100	0	6	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	15	16	15
Sodium	ppm	ASTM D5185m		1	0	0
Potassium	ppm	ASTM D5185m	>20	4	0	1
Water	0/	ASTM D6304	>0.2	0.002	0.007	0.007
vvalei	%	7.0 TW D000+	- 0.=	0.002	0.007	0.007
ppm Water	% ppm	ASTM D6304	>2000	19.5	72.4	70.5
	ppm					



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Certificate L2367

Laboratory Sample No.

Lab Number

Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : RP0035366 : 05880946

: 10526049

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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