

OIL ANALYSIS REPORT

Client Info

Client Info

SAMPLE INFORMATION method

Sample Number

Acid Number (AN)

Sample Date

NORMAL



RP203745

03 Oct 2019 31 May 2019

FINISHING BAY CRANES **EST-20 NORTH TROLLEY (S/N 16-0167)**

Component

Gearbox

GEAR OIL ISO 220 (--- QTS)

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

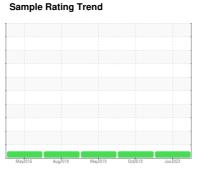
All component wear rates are normal.

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.



RP0035561

20 Jun 2023

RP199594

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		10	22	15
Iron	ppm	ASTM D5185m	>200	13	8	25
Chromium	ppm	ASTM D5185m	>15	<1	0	<1
Nickel	ppm	ASTM D5185m	>15	<1	0	<1
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	<1	3	<1
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	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	7	10	3
Parium	nnm	ACTM DE10Em	15	0	0	0

Boron	ppm	ASTM D5185m	50	7	10	3
Barium	ppm	ASTM D5185m	15	0	0	0
Molybdenum	ppm	ASTM D5185m	15	0	1	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	50	0	0	<1
Calcium	ppm	ASTM D5185m	50	7	4	8
Phosphorus	ppm	ASTM D5185m	350	218	182	197
Zinc	ppm	ASTM D5185m	100	0	5	7
CONTAMINANTS		method	limit/base	current	history1	history2
CONTAMINANTS Silicon	ppm	method ASTM D5185m		current 18	history1	history2
						,
Silicon	ppm	ASTM D5185m		18	15	18
Silicon Sodium	ppm ppm	ASTM D5185m ASTM D5185m	>50	18 1	15 <1	18
Silicon Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20	18 1 5	15 <1 15	18 <1 2

mg KOH/g ASTM D8045 0.85

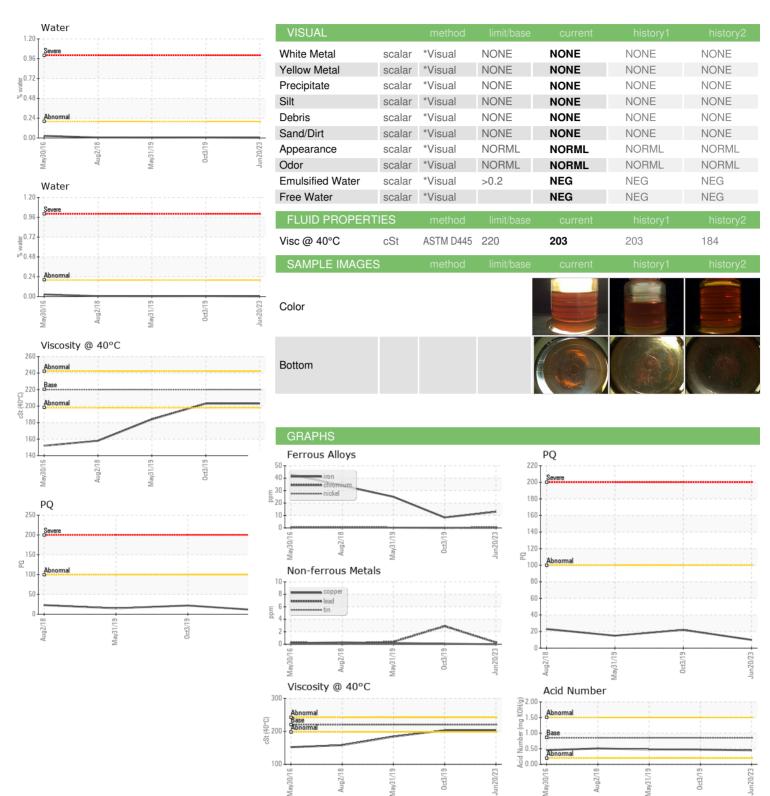
0.45

0.473

0.478



OIL ANALYSIS REPORT







Certificate L2367

Report Id: OUTCALAL [WUSCAR] 05880941 (Generated: 07/25/2023 14:56:37) Rev: 1

Laboratory Sample No. Lab Number

Unique Number

: RP0035561 : 05880941 : 10526044 Test Package : IND 2 (Additional Tests: PQ)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Jun 2023 Diagnosed : 24 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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