

OIL ANALYSIS REPORT

Sample Number

Sample Date

Machine Age

Molybdenum

Oil Age

hrs

hrs

Client Info

Client Info

Client Info

Client Info

ASTM D5185m

ppm

RP0030749

0

0

<1

NORMAL



RP0025055

02 Nov 2022 20 Apr 2022

0

0

CONNECTION BAY CRANES 20.2 EAST TROLLEY

Component Gearbox

MOBIL (--- QTS)

DIAGNOSIS

Recommendation Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with

next sample.

Wear

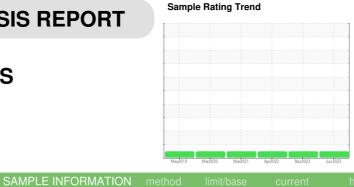
All component wear rates are normal.

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.



RP0034901

13 Jun 2023

0

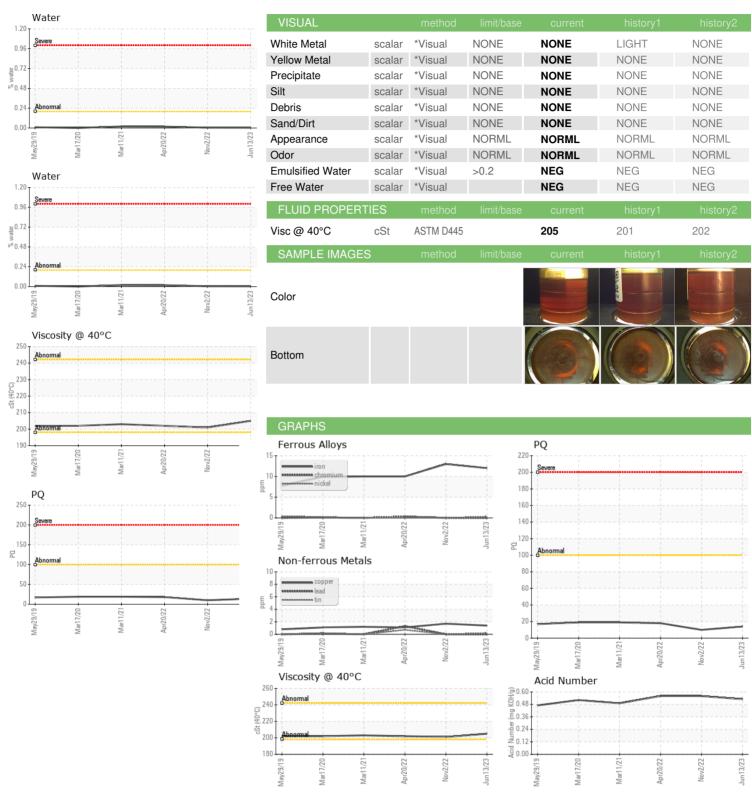
G 7.90		00		•	Ü	Ü
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
			11 14 11			11.
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		14	10	18
Iron	ppm	ASTM D5185m	>200	12	13	10
Chromium	ppm	ASTM D5185m	>15	0	0	<1
Nickel	ppm	ASTM D5185m	>15	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>100	0	0	1
Copper	ppm	ASTM D5185m	>200	1	2	1
Tin	ppm	ASTM D5185m	>25	<1	0	<1
Antimony	ppm	ASTM D5185m	>5			
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		8	0	7
Barium	ppm	ASTM D5185m		3	<1	0

•						
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	1	4
Calcium	ppm	ASTM D5185m		7	6	6
Phosphorus	ppm	ASTM D5185m		225	258	227
Zinc	ppm	ASTM D5185m		11	13	7
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	30	33	22
Sodium	ppm	ASTM D5185m		0	0	1
Potassium	ppm	ASTM D5185m	>20	1	0	8
Water	%	ASTM D6304	>0.2	0.003	0.004	0.017
ppm Water	ppm	ASTM D6304	>2000	35.2	40.4	179.7
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.53	0.56	0.56

<1



OIL ANALYSIS REPORT







Certificate L2367

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

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

: 05873941 : 10519044

: RP0034901 Received

: 14 Jun 2023 Diagnosed : 15 Jun 2023 : Wes Davis Diagnostician

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

OUTOKUMPU STAINLESS USA

HWY 43 N CALVERT, AL US 36513

Contact: MARIO JOHNSON Mario.johnson@outokumpu.com

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Report Id: OUTCALAL [WUSCAR] 05873941 (Generated: 07/25/2023 14:51:30) Rev: 1

Submitted By: DALE ROBINSON