

## **OIL ANALYSIS REPORT**

### Sample Rating Trend

## NORMAL



# CRM64

## CRM 64 MOTOR LUBRICATION SYSTEM (S/N 16-2300-0710)

Component

**Tank Hydraulic System** 

AW HYDRAULIC OIL ISO 46 (--- 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 system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

#### **Fluid Condition**

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

2020 Jul2020 Dec2020 Apr2021 Smp2021 Mnz2022 Aug2022 Feb2023						
SAMPLE INFORM	//ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0034502	RP0034567	RP0034583
Sample Date		Client Info		13 Jun 2023	11 May 2023	17 Apr 2023
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	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	2	2
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	1	0	1
Tin	ppm		>20	6	7	5
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	5	0	0	0
Barium	ppm	ASTM D5185m	5	2	0	0
Molybdenum	ppm	ASTM D5185m	5	0	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	25	<1	0	1
Calcium	ppm	ASTM D5185m	200	51	51	51
Phosphorus	ppm	ASTM D5185m	300	324	370	337
Zinc	ppm	ASTM D5185m	370	414	466	429
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	1	1
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water	%	ASTM D6304	>0.05	0.005	0.005	0.008
ppm Water	ppm	ASTM D6304	>500	51.1	58.5	86.5
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	1270	<u> </u>	3347
Particles >6µm		ASTM D7647	>1300	50	<u>▲</u> 2882	279
Particles >14µm		ASTM D7647	>160	2	<u></u> ▲ 181	7
Particles >21µm		ASTM D7647	>40	0	30	2
Particles >38µm		ASTM D7647	>10	0	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/13/9	<u>△</u> 21/19/15	19/15/10
FLUID DEGRADA	ATION _	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.38	0.36	0.38



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory

Sample No. Lab Number **Unique Number** Test Package

: RP0034502 : 05873888

: 10518991 : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 Jun 2023

: 15 Jun 2023 Diagnosed 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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