

OIL ANALYSIS REPORT

SAMPLE INFORMATION

Sample Rating Trend

NORMAL



CRM64 - HYDRAULIC CRM 64 LOW PRESSURE (S/N 16-2300-1015)

Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

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.

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0034899	RP0034570	RP0031256
Sample Date		Client Info		13 Jun 2023	11 May 2023	17 Apr 2023
Machine Age		Client Info		0	0	0
Oil Age		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	0	0	<1
Chromium	ppm	ASTM D5185m	>20	0	0	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	0	0	<1
Tin	ppm	ASTM D5185m	>20	0	<1	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	5	0	0	<1
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	2	0	3
Calcium	ppm	ASTM D5185m	200	54	49	53
Phosphorus	ppm	ASTM D5185m	300	324	367	339
Zinc	ppm	ASTM D5185m	370	434	478	439
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	2
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water	%	ASTM D6304	>0.05	0.003	0.008	0.008
ppm Water	ppm	ASTM D6304	>500	32.4	86.2	82.0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>640	70	<u> </u>	103
Particles >6µm		ASTM D7647	>160	19	<u>▲</u> 452	47
Particles >14µm		ASTM D7647	>20	2	14	10
Particles >21µm		ASTM D7647	>4	0	2	3
Particles >38µm		ASTM D7647	>3	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>16/14/11	13/11/9	<u> </u>	14/13/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.43	0.43	0.41



OIL ANALYSIS REPORT







Certificate L2367

Sample No.

Lab Number

Unique Number Test Package : IND 2

: RP0034899 Received : 14 Jun 2023 : 05873890 : 16 Jun 2023 Diagnosed : 10518993 Diagnostician : Doug Bogart

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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