

OIL ANALYSIS REPORT

SAMPLE INFORMATION method

Sample Rating Trend

NORMAL



CRM64

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

Component

Tank Hydraulic System

AW HYDRAULIC OIL ISO 46 (92 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

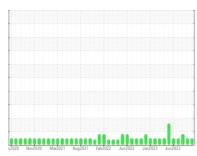
All component wear rates are normal.

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

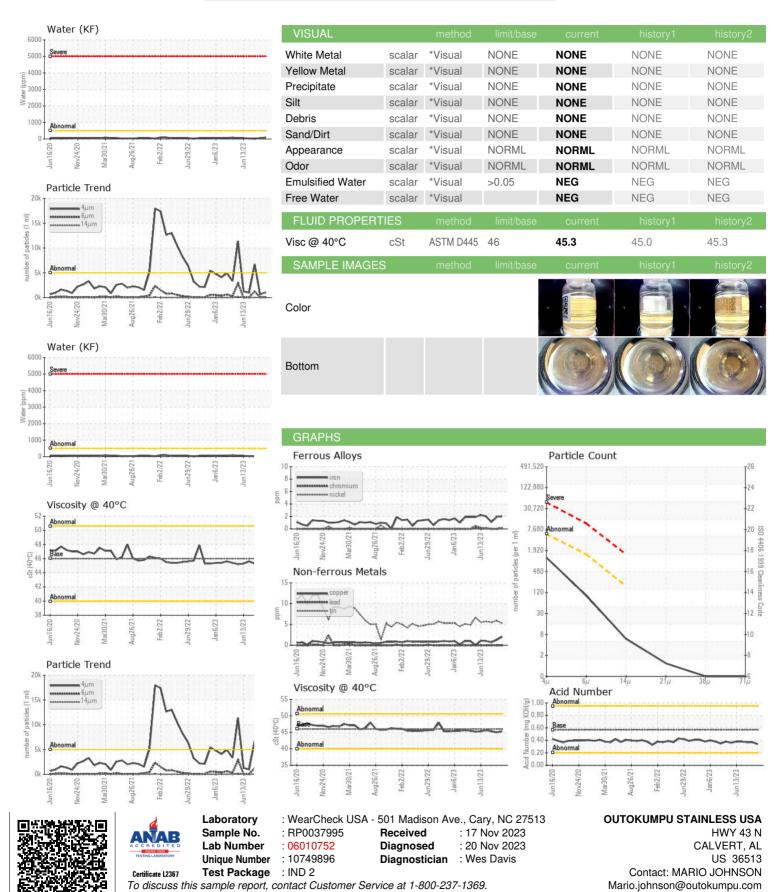
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



Sample Number		Client Info		RP0037995	RP0038588	RP0035432
Sample Date		Client Info		16 Nov 2023	29 Sep 2023	29 Aug 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	NORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	n 10 100	ASTM D5185m	>20	2	2	1
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m	>20	<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	<1
Lead		ASTM D5185m	>20	0	0	0
	ppm	ASTM D5185m	>20	2	1	<1
Copper Tin	ppm	ASTM D5185m	>20	5	6	6
Vanadium		ASTM D5185m	720	ر <1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ppm	AO IIVI DO IOOIII		<u> </u>	0	_
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	25	0	<1	0
Calcium	ppm	ASTM D5185m	200	11	50	49
Phosphorus	ppm	ASTM D5185m	300	270	334	335
Zinc	ppm	ASTM D5185m	370	355	447	407
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm		>15	2	2	1
Sodium	ppm	ASTM D5185m		2	0	0
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water	%	ASTM D6304	>0.05	0.009	0.005	0.002
ppm Water	ppm	ASTM D6304	>500	90.3	52.9	16.0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1056	630	△ 6696
Particles >6µm		ASTM D7647	>1300	87	69	1213
Particles >14μm		ASTM D7647	>160	5	7	43
Particles >21µm		ASTM D7647	>40	1	2	10
Particles >38μm		ASTM D7647	>10	0	0	1
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/14/10	16/13/10	2 0/17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.34	0.37	0.37



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* - 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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