

OIL ANALYSIS REPORT

Sample Rating Trend

SAMPLE INFORMATION method limit/base



current

history1

history2

Machine Id CR-4401 Component Hydraulic System Fluid ATF (--- GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

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

Sample Number		Client Info		WC0867448	WC0833275	WC0833404	
Sample Date		Client Info		04 Dec 2023	30 Sep 2023	01 Aug 2023	
Machine Age	hrs	Client Info		1389	13624	1335	
Oil Age	hrs	Client Info		0	0	0	
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd	
Sample Status				ABNORMAL	ATTENTION	NORMAL	
CONTAMINATION	N	method	limit/base	current	history1	history2	
Water		WC Method	>0.1	NEG	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>20	2	0	1	
Chromium	ppm	ASTM D5185m	>10	<1	0	0	
Nickel	ppm	ASTM D5185m	>10	0	0	0	
Titanium	ppm	ASTM D5185m		0	<1	0	
Silver	ppm	ASTM D5185m		0	0	0	
Aluminum	ppm	ASTM D5185m	>10	2	0	<1	
Lead	ppm	ASTM D5185m	>10	0	0	0	
Copper	ppm	ASTM D5185m	>75	7	5	4	
Tin	ppm	ASTM D5185m	>10	0	0	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		95	78	95	
Barium	ppm	ASTM D5185m		0	0	0	
Molybdenum	ppm	ASTM D5185m		<1	<1	<1	
Manganese	ppm	ASTM D5185m		0	0	0	
Magnesium	ppm	ASTM D5185m		3	0	0	
Calcium	ppm	ASTM D5185m		123	67	103	
Phosphorus	ppm	ASTM D5185m		297	158	239	
Zinc	ppm	ASTM D5185m		49	26	40	
Sulfur	ppm	ASTM D5185m		980	531	999	
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>20	3	2	2	
Sodium	ppm	ASTM D5185m		0	4	1	
Potassium	ppm	ASTM D5185m	>20	1	<1	<1	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647	>5000	A 32790	A 7818	4914	
Particles >6µm		ASTM D7647	>1300	<u> </u>	198	326	
Particles >14µm		ASTM D7647	>160	6 577	16	18	
Particles >21µm		ASTM D7647	>40	<u> </u>	4	3	
Particles >38µm		ASTM D7647	>10	3	0	0	
Particles >71µm		ASTM D7647	>3	0	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 22/20/16	▲ 20/15/11	19/16/11	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		0.71	0.60	0.77	
2:57:02) Rev: 1				Submitted By: ? MOBCONFLEET			



0.70 (B/H0.60 0.50 Jumper (mg K0 Number (mg K0)) Number (mg K0 Number (mg K0)) Number (mg - Pick

0.10

0.00

45

40

cSt (40°C) 05 (40°C)

25

15

A 20

Jun11/20

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OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	35.0	27.4	30.11	27.1
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						



Bottom

