

## **OIL ANALYSIS REPORT**

### Area Wegu Can - W00800 A2407034 Component

Hydraulic System Fluid AW HYDRAULIC OIL ISO 46 (--- GAL)

#### DIAGNOSIS

#### Recommendation

We certify that this oil is clean, that the additives are at acceptable levels, and that it is suitable for use.

Wear Copper ppm levels are noted.

				Jul2024		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Batch #		Client Info		2024 06 0620		
Department		Client Info		Production		
Sample From		Client Info		Machine		
Production Stage		Client Info		Final		
Sent to WC		Client Info		07/08/2024		
Sample Number		Client Info		E30002590		
Sample Date		Client Info		08 Jul 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	20		
Chromium	ppm	ASTM D5185(m)	>20	<1		
Nickel	ppm	ASTM D5185(m)	>20	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>20	2		
Lead	ppm	ASTM D5185(m)	>20	9		
Copper	ppm	ASTM D5185(m)	>20	24		
Tin	ppm	ASTM D5185(m)	>20	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5	<1		
Barium	ppm	ASTM D5185(m)	5	<1		
Molybdenum	ppm	ASTM D5185(m)	5	0		
Manganese	ppm	ASTM D5185(m)		6		
Magnesium	ppm	ASTM D5185(m)	25	83		
Calcium	ppm	ASTM D5185(m)	200	99		
Phosphorus	ppm	ASTM D5185(m)	300	733		
Zinc	ppm	ASTM D5185(m)	370	764		
Sulfur	ppm	ASTM D5185(m)	2500	2985		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	9		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	_ <1		
Water	%	ASTM D6304*	>0.05	0.003		
ppm Water	ppm	ASTM D6304*	>500	30		

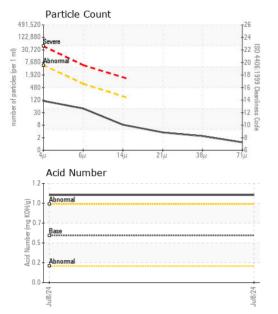
Sample Rating Trend

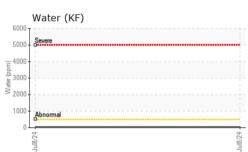


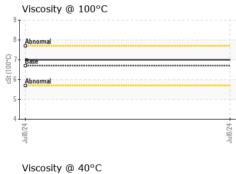
NORMAL

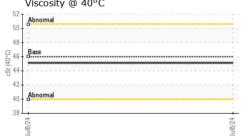


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normal						
		u18/24				
		7				
	CALA	Laboratory	: WearCheck - C8-1175	Appleby Line,	Burlington, ON L7L 5H9	Environmental 360 Solutions Ltd.
	Accreditation No. 1505219	Sample No.	: E30002590	Received	: 10 Jul 2024	640 Victoria Street
<u> </u>	ISO 17025:2017	Lab Number	: 02646999	Tested	: 11 Jul 2024	Cobourg, ON
	Accredited	Unique Number	: 5812551	Diagnosed	: 12 Jul 2024 - Aylwin Lee	CA K9A 5H5
<b>E967</b> 8	Laboratory	Test Package	: IND 2 ( Additional Tes	ts: KF, KV100,	TAN Man, VI )	Contact: Tatiana Sorkina
1955	To discuss this sample report, contact Customer Service at 1-905-372-2251.					tsorkina@e360s.ca
Test denoted (*) outside sco			e of accreditation, (m) m	T: (800)263-3939		
	Validity of resu	ilts and interpret	tation are based on the s	sample and info	rmation as supplied.	F: (905)373-4950

Report Id: CHECOB [WCAMIS] 02646999 (Generated: 07/12/2024 08:41:48) Rev: 1

Contact/Location: Tatiana Sorkina - CHECOB

FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	97		
Particles >6µm		ASTM D7647	>640	42		
Particles >14µm		ASTM D7647	>160	7		
Particles >21µm		ASTM D7647	>40	3		
Particles >38µm		ASTM D7647	>10	2		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>19/16/14	14/13/10		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.57	1.06		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*	>0.05	NEG		
Free Water	scalar	Visual*		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	46	45.1		
Visc @ 100°C	cSt	ASTM D7279(m)	6.7	7.0		
Viscosity Index (VI)	Scale	ASTM D2270*	97	112		
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image