

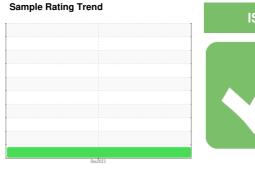
OIL ANALYSIS REPORT

Combined Metal Industries - C13510

AG215

Component **Hydraulic System**

AW HYDRAULIC OIL ISO 46 (--- GAL)





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▲ Recommendation

This is a baseline read-out on the submitted sample.

Wear

Copper and iron ppm levels are noted.

Contamination

Particles >4µm and oil cleanliness are notably high.

Fluid Condition

{not applicable}

SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Machine ID		Client Info		TB BALER TANK		
Department		Client Info		Sales		
Sample From		Client Info		Machine		
Production Stage		Client Info		Initial		
Sent to WC		Client Info		01/08/2024		
Sample Number		Client Info		E30001120		
Sample Date		Client Info		18 Dec 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		

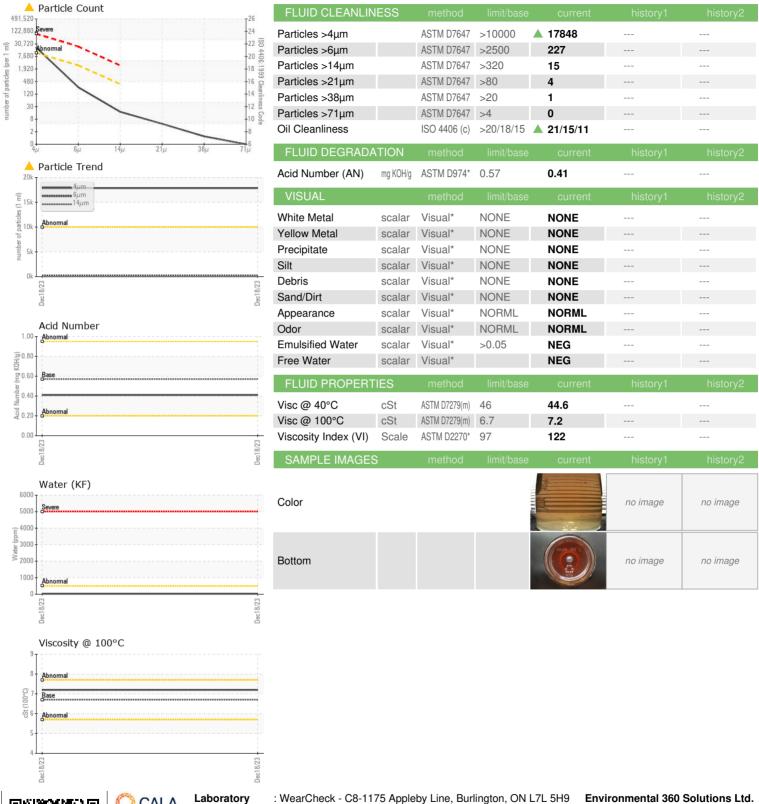
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	11		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>20	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>20	<1		
Lead	ppm	ASTM D5185(m)	>20	2		
Copper	ppm	ASTM 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	0		
Molybdenum	ppm	ASTM D5185(m)	5	0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	25	32		
Calcium	ppm	ASTM D5185(m)	200	68		
Phosphorus	ppm	ASTM D5185(m)	300	356		
Zinc	ppm	ASTM D5185(m)	370	401		
Sulfur	ppm	ASTM D5185(m)	2500	850		
Lithium	ppm	ASTM D5185(m)		<1		

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CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	2		
Sodium	ppm	ASTM D5185(m)		<1		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Water	%	ASTM D6304*	>0.05	0.003		
ppm Water	ppm	ASTM D6304*	>500	26		



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number

: E30001120

: 02607875 **Unique Number** : 5708961

Diagnostician : Tatiana Sorkina Test Package : IND 2 (Additional Tests: KF, KV100, VI) To discuss this sample report, contact Customer Service at 1-905-372-2251.

Recieved

Diagnosed

: 10 Jan 2024

: 15 Jan 2024

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

Environmental 360 Solutions Ltd.

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