

OIL ANALYSIS REPORT

Area **DMS** - 888034 **AG331-RC**

Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- GAL)

Sample Rating Trend NORMAL

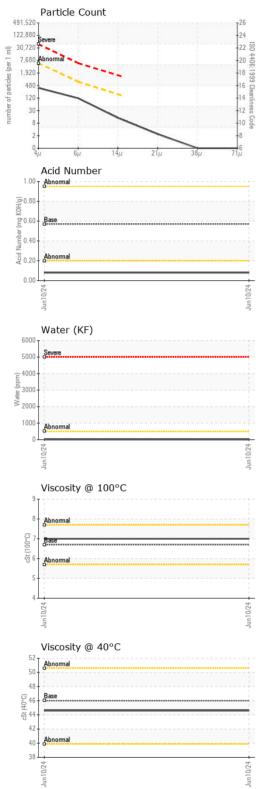
Recommendation

We certify this oil to be clean and dry. The antiwear additives are low. The product should be re-additized.

				Jun2024		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine ID		Client Info		Main Baler Rese		
Department		Client Info		Sales		
Sample From		Client Info		Machine		
Production Stage		Client Info		Lab Reclaim		
Sent to WC		Client Info		06/10/2024		
Sample Number		Client Info		E30002365		
Sample Date		Client Info		10 Jun 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	1		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>20	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	. ,	>20	0		
Lead	ppm	ASTM D5185(m)	>20	0		
Copper	ppm	ASTM D5185(m)	>20	11		
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	0		
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	<1		
Calcium	ppm	ASTM D5185(m)	200	8		
Phosphorus	ppm	ASTM D5185(m)	300	235		
Zinc	ppm	ASTM D5185(m)		64		
Sulfur	ppm	ASTM D5185(m)	2500	1266		
Lithium	ppm	ASTM D5185(m)	2000	<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	0		
Sodium	ppm	ASTM D5185(m)	- 10	<1		
Potassium	ppm	ASTM D5185(m)	>20	0		
Water	%	ASTM D5103(III) ASTM D6304*	>0.05	0.001		
ppm Water	ppm	ASTM D6304*	>50.03	9		
FF	I- Ia			-		



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FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	325		
Particles >6µm		ASTM D7647	>640	105		
Particles >14µm		ASTM D7647	>160	12		
Particles >21µm		ASTM D7647	>40	2		
Particles >38μm		ASTM D7647	>10	0		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/16/14	16/14/11		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.57	0.08		
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	44.6		
Visc @ 100°C	cSt	ASTM D7279(m)	6.7	7.0		
Viscosity Index (VI)	Scale	ASTM D2270*	97	114		
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image



CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No.

Lab Number : 02641691 Unique Number : 5799230

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : E30002365 Received : 13 Jun 2024

Tested : 14 Jun 2024 Diagnosed : 14 Jun 2024 - Tatiana Sorkina

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

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.

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