

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Area Signature Alum - A02500 A2406125

Hydraulic System Fluid AW HYDRAULIC OIL ISO 68 (--- GAL)

DIAGNOSIS

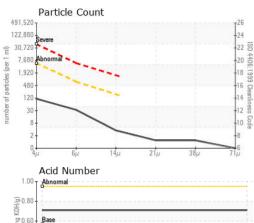
Recommendation

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

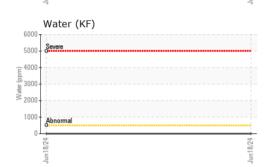
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Batch #		Client Info		2024 05 1010		
Department		Client Info		Production		
Sample From		Client Info		Machine		
Production Stage		Client Info		Final		
Sent to WC		Client Info		06/18/2024		
Sample Number		Client Info		E30002434		
Sample Date		Client Info		18 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	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)		<1		
Aluminum	ppm	ASTM D5185(m)	>20	4		
Lead	ppm	ASTM D5185(m)	>20	2		
Copper	ppm	ASTM D5185(m)	>20	16		
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)		<1		
Magnesium	ppm	ASTM D5185(m)	25	59		
Calcium	ppm	ASTM D5185(m)	200	75		
Phosphorus	ppm	ASTM D5185(m)	300	486		
Zinc	ppm	ASTM D5185(m)		538		
Sulfur	ppm		2500	3383		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	1		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Water	%	ASTM D6304*	>0.05	0.00		
ppm Water	ppm	ASTM D6304*	>500	0		

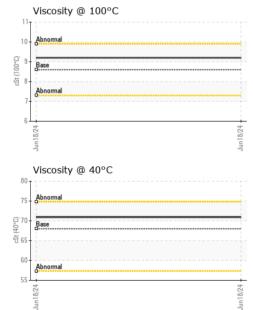


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FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	99		
Particles >6µm		ASTM D7647	>640	29		
Particles >14µm		ASTM D7647	>160	3		
Particles >21µm		ASTM D7647	>40	1		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/16/14	14/12/9		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.57	0.71		
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)	68	70.9		
Visc @ 100°C	cSt	ASTM D7279(m)	8.6	9.2		
Viscosity Index (VI)	Scale	ASTM D2270*	96	105		
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Environmental 360 Solutions Ltd. CALA : E30002434 Received : 20 Jun 2024 Sample No. 640 Victoria Street Lab Number : 02643205 Tested : 21 Jun 2024 Cobourg, ON ISO 17025:2017 Accredited Laboratory : 25 Jun 2024 - Aylwin Lee Unique Number : 5800744 Diagnosed CA K9A 5H5 Test Package : IND 2 (Additional Tests: KF, KV100, VI) Contact: Tatiana Sorkina tsorkina@e360s.ca To discuss this sample report, contact Customer Service at 1-905-372-2251. T: (800)263-3939 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. F: (905)373-4950

Report Id: CHECOB [WCAMIS] 02643205 (Generated: 06/25/2024 07:29:10) Rev: 1

Contact/Location: Tatiana Sorkina - CHECOB Page 2 of 2