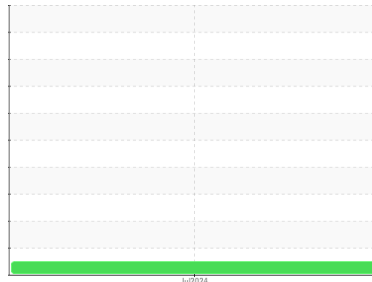




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
Almag Alum - A10700
 Machine Id
AG333-R
 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.

PLEASE NOTE: Viscosity does not match the specified oil type.

Fluid Condition
 Visc @ 100°C is abnormally high. Visc @ 40°C is abnormally high.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Machine ID	Client Info	Port 1 Test Por	---	---
Department	Client Info	Sales	---	---
Sample From	Client Info	Machine	---	---
Production Stage	Client Info	Lab Reclaim	---	---
Sent to WC	Client Info	07/08/2024	---	---
Sample Number	Client Info	E30002588	---	---
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	<1	---	---
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	<1	---	---
Copper ppm ASTM D5185(m)	>20	10	---	---
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	---	---

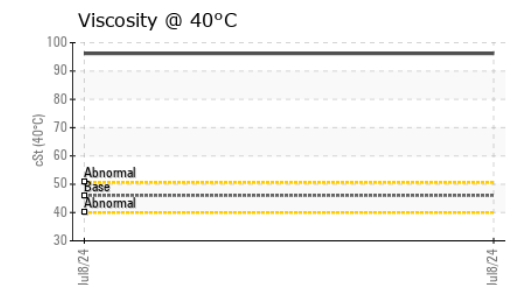
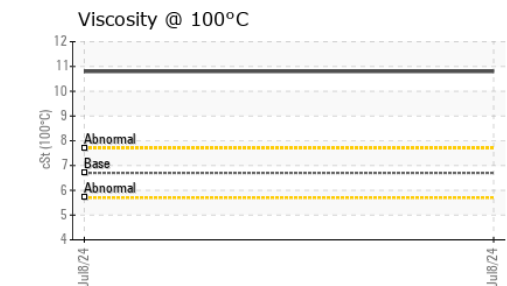
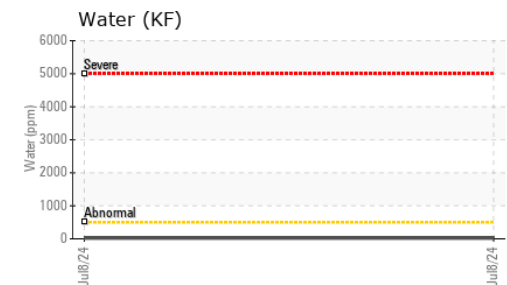
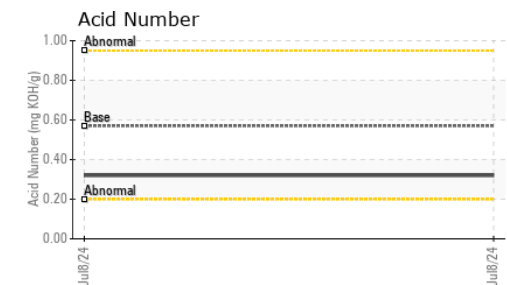
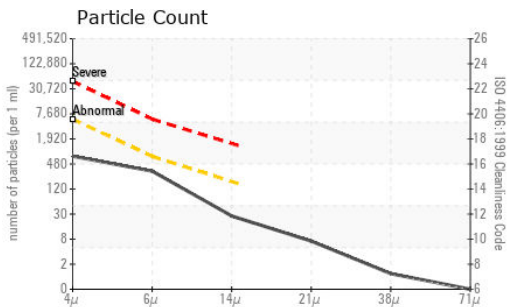
ADDITIVES

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	<1	---	---
Calcium ppm ASTM D5185(m)	200	48	---	---
Phosphorus ppm ASTM D5185(m)	300	334	---	---
Zinc ppm ASTM D5185(m)	370	420	---	---
Sulfur ppm ASTM D5185(m)	2500	736	---	---
Lithium ppm ASTM D5185(m)		<1	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>15	0	---	---
Sodium ppm ASTM D5185(m)		0	---	---
Potassium ppm ASTM D5185(m)	>20	0	---	---
Water % ASTM D6304*	>0.05	0.002	---	---
ppm Water ppm ASTM D6304*	>500	21	---	---

OIL ANALYSIS REPORT



FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	649	---	---
Particles >6µm	ASTM D7647	>640	284	---	---
Particles >14µm	ASTM D7647	>160	24	---	---
Particles >21µm	ASTM D7647	>40	6	---	---
Particles >38µm	ASTM D7647	>10	1	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>19/16/14	17/15/12	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974*	0.57	0.32	---	---

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 PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	46	96.2	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	6.7	10.8	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	97	95	---	---

SAMPLE IMAGES

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
Sample No. : E30002588
Lab Number : **02646997**
Unique Number : 5812549
Test Package : IND 2 (Additional Tests: KF, KV100, VI)
Received : 10 Jul 2024
Tested : 11 Jul 2024
Diagnosed : 12 Jul 2024 - Aylwin Lee

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 T: (800)263-3939
 F: (905)373-4950

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.