

## **OIL ANALYSIS REPORT**

Sample Rating Trend

### NORMAL

#### Area Queen`s University - Q01100 Machine Id AG214

Component Hydraulic System Fluid {not provided} (--- GAL)

#### DIAGNOSIS

Recommendation

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

Wear

{not applicable}

Contamination {not applicable}

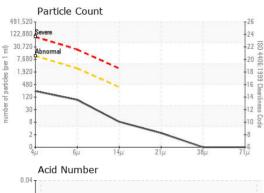
		L		Dec2023		
SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Machine ID		Client Info		D70 Turbine #2		
Department		Client Info		Sales		
Sample From		Client Info		Machine		
Production Stage		Client Info		Initial		
Sent to WC		Client Info		01/03/2024		
Sample Number		Client Info		E30001081		
Sample Date		Client Info		07 Dec 2023		
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	nom	ASTM D5185(m)	>20	0		
Chromium	ppm	ASTM D5185(m)		0		
Nickel	ppm			0		
Titanium	ppm	ASTM D5185(m) ASTM D5185(m)	>20	0		
Silver	ppm			0		
Aluminum	ppm	ASTM D5185(m)	. 00	ں <1		
	ppm	ASTM D5185(m)		<1 0		
Lead Copper	ppm	ASTM D5185(m)	>20	u <1		
••	ppm	ASTM D5185(m)		<1		
Tin	ppm	ASTM D5185(m)	>20	0		
Antimony	ppm	ASTM D5185(m)		-		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)				
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		0		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		0		
Calcium	ppm	ASTM D5185(m)		0		
Phosphorus	ppm	ASTM D5185(m)		29		
Zinc	ppm	ASTM D5185(m)		2		
Sulfur	ppm	ASTM D5185(m)		527		
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	<1		
Water	%	ASTM D6304*	>0.05	0.002		
ppm Water	ppm	ASTM D6304*	>500	16		

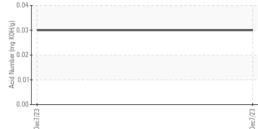


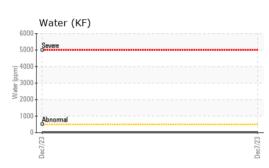
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FLUID CLEANLINESS

Particles >4µm







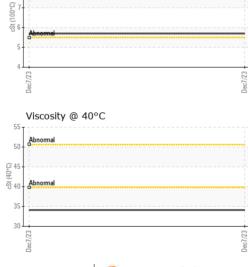
Viscosity @ 100°C



206

>10000

ASTM D7647



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Environmental 360 Solutions Ltd. CALA Recieved : 05 Jan 2024 Sample No. : E30001081 640 Victoria Street Lab Number Cobourg, ON : 02606776 Diagnosed : 09 Jan 2024 ISO 17025:2017 Accredited CA K9A 5H5 Unique Number : 5707862 Diagnostician : Tatiana Sorkina Laboratory Test Package : IND 2 (Additional Tests: KF, KV100, VI) Contact: Tatiana Sorkina To discuss this sample report, contact Customer Service at 1-905-372-2251. tsorkina@e360s.ca 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