

# **OIL ANALYSIS REPORT**

NORMAL

# CHEM ECOL 999999 A2403032

Unknown Component

**CHEMKUT 1002 (--- GAL)** 

### Recommendation

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

		Mu <sup>2</sup> 024							
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2			
Batch #	ATION	Client Info	IIIIII/Dasc	3021-A	Thistory I	HISTOLYZ			
				Production					
Department		Client Info		Machine					
Sample From Production Stage		Client Info							
		Client Info		Final 03/06/2024					
Sent to WC		Client Info							
Sample Number		Client Info		E30001516					
Sample Date	lawa	Client Info		06 Mar 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)		<1					
Chromium	ppm	ASTM D5185(m)		0					
Nickel	ppm	ASTM D5185(m)		0					
Titanium	ppm	ASTM D5185(m)		0					
Silver	ppm	ASTM D5185(m)		<1					
Aluminum	ppm	ASTM D5185(m)		<1					
Lead	ppm	ASTM D5185(m)		0					
Copper	ppm	ASTM D5185(m)		<1					
Tin	ppm	ASTM D5185(m)		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)		<1					
Barium	ppm	ASTM D5185(m)		0					
Molybdenum	ppm	ASTM D5185(m)		0					
Manganese	ppm	ASTM D5185(m)		0					
Magnesium	ppm	ASTM D5185(m)		1					
Calcium	ppm	ASTM D5185(m)		34					
Phosphorus	ppm	ASTM D5185(m)		224					
Zinc	ppm	ASTM D5185(m)		277					
Sulfur	ppm	ASTM D5185(m)		19177					
Lithium	ppm	ASTM D5185(m)		<1					
CONTAMINANTS		method	limit/base	current	history1	history2			
Silicon	nnm	ASTM D5185(m)	AITIII/ Da3C	<1					
Sodium	ppm	ASTM D5165(III) ASTM D5185(m)							
Souluili	ppm	(ווו)כסוכם ואוו פא		<1					

ASTM D5185(m) >20

ASTM D6304\*

ASTM D6304\*

1 0.003

27

ppm

ppm

%

Sample Rating Trend

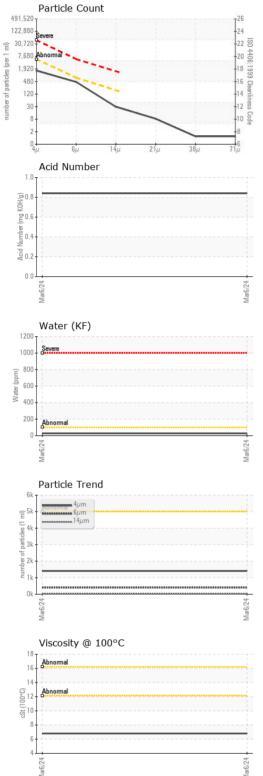
Potassium

ppm Water

Water



## **OIL ANALYSIS REPORT**



FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1408		
Particles >6µm		ASTM D7647	>640	405		
Particles >14µm		ASTM D7647	>160	26		
Particles >21µm		ASTM D7647	>40	7		
Particles >38µm		ASTM D7647	>10	1		
Particles >71μm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>19/16/14	18/16/12		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.84		
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*		NEG		
Free Water	scalar	Visual*		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		39.3		
Visc @ 100°C	cSt	ASTM D7279(m)		6.8		
Viscosity Index (VI)	Scale	ASTM D2270*		130		
SAMPLE IMAGES	3	method	11.0014/10.000			
		method	limit/base	current	history1	history2
Color		method	IIMIVoase	current	no image	history2 no image





Laboratory

Sample No. Lab Number : 02620948 Unique Number : 5746067

: E30001516

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received

**Tested** : 13 Jun 2024 Diagnosed : 13 Jun 2024 - Tatiana Sorkina

: 08 Mar 2024

Test Package : IND 2 ( Additional Tests: KF, KV100, PrtCount, TAN Man, 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.

Environmental 360 Solutions Ltd.

640 Victoria Street Cobourg, ON CA K9A 5H5

Contact: Tatiana Sorkina tsorkina@e360s.ca T: (800)263-3939

F: (905)373-4950