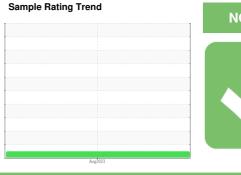


## **OIL ANALYSIS REPORT**

# Chem-Ecol A2308036

Component **Hydraulic System** 

CHEM-ECOL HYDRAULIC 46 AWD (--- GAL)





### Recommendation

This is a baseline read-out on the submitted sample. ( Customer Sample Comment: IND2-ICP KV AN KF)

#### Wear

{not applicable}

### Contamination

{not applicable}

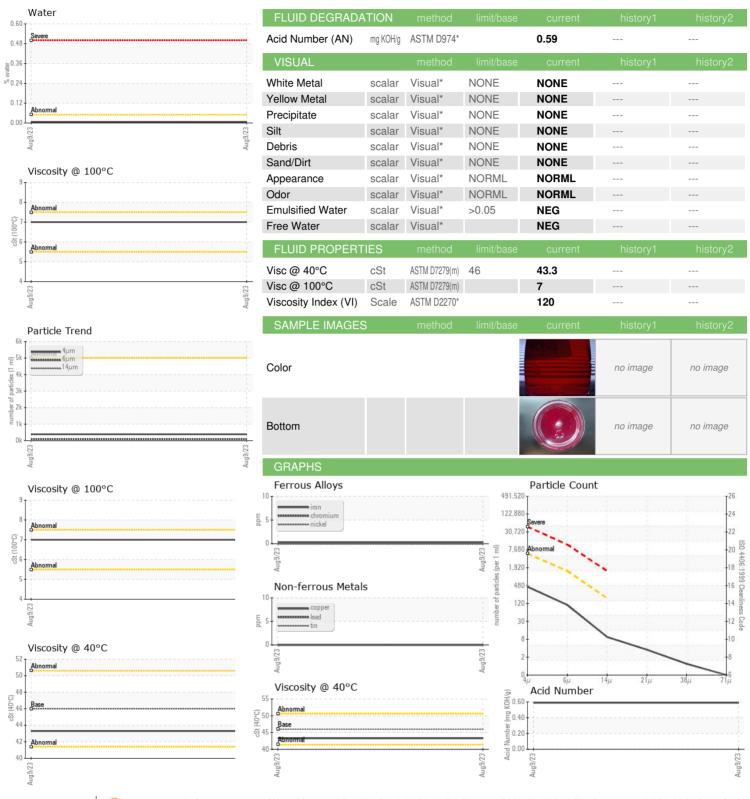
**Fluid Condition** 

{not applicable}

L)				Aug <sup>2</sup> 023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		E30000200		
Sample Date		Client Info		09 Aug 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
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	ASTM D5185(m)	>20	<1		
Lead	ppm	ASTM D5185(m)	>20	0		
Copper	ppm	ASTM D5185(m)	>20	0		
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)		<1		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		148		
Calcium	ppm	ASTM D5185(m)		108		
Phosphorus	ppm	ASTM D5185(m)		486		
Zinc	ppm	ASTM D5185(m)		571		
Sulfur	ppm	ASTM D5185(m)		1083		
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)		3		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Water	%	ASTM D6304*	>0.05	0.007		
ppm Water	ppm	ASTM D6304*	>500	79.6		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	386		
Particles >6µm		ASTM D7647	>1300	95		
Particles >14µm		ASTM D7647	>160	8		
Particles >21µm		ASTM D7647		3		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/10		



## **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number **Unique Number** 

: E30000200 : 02576352 : 5629412

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

: 16 Aug 2023 Diagnosed : 23 Aug 2023 Diagnostician : Tatiana Sorkina

Test Package : IND 2 (Additional Tests: KF, KV100, VI)

To discuss this sample report, contact Customer Service at 1-800-268-2131. 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: Fred Kosseim fkosseim@e360s.ca T: (905)372-2251

Submitted By: Tatiana Sorkina

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