

# **OIL ANALYSIS REPORT**

# Integrity - 888065 **AM960**

Component

**Unknown Component** 

SMITH FALLS HYD AW 46 (--- GAL)

# Sample Rating Trend



### **DIAGNOSIS**

### Recommendation

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

### Wear

{not applicable}

### Contamination

Particles >4µm are abnormally high. Particles >6µm and oil cleanliness are abnormally high.

### **Fluid Condition**

{not applicable}

				Dec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Department		Client Info		Sales		
Sample From		Client Info		Machine		
Production Stage		Client Info		Initial		
Sent to WC		Client Info		12/18/2023		
Sample Number		Client Info		E30001005		
Sample Date		Client Info		14 Dec 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		0		
Chromium	ppm	ASTM D5185(m)		0		
Nickel	ppm	ASTM D5185(m)		<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
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)		0		
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)		58		
Phosphorus	ppm	ASTM D5185(m)		327		
Zinc	ppm	ASTM D5185(m)		416		
Sulfur	ppm	ASTM D5185(m)		779		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		0		
Sodium	ppm	ASTM D5185(m)		0		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Water	%	ASTM D6304*		0.003		

ppm Water

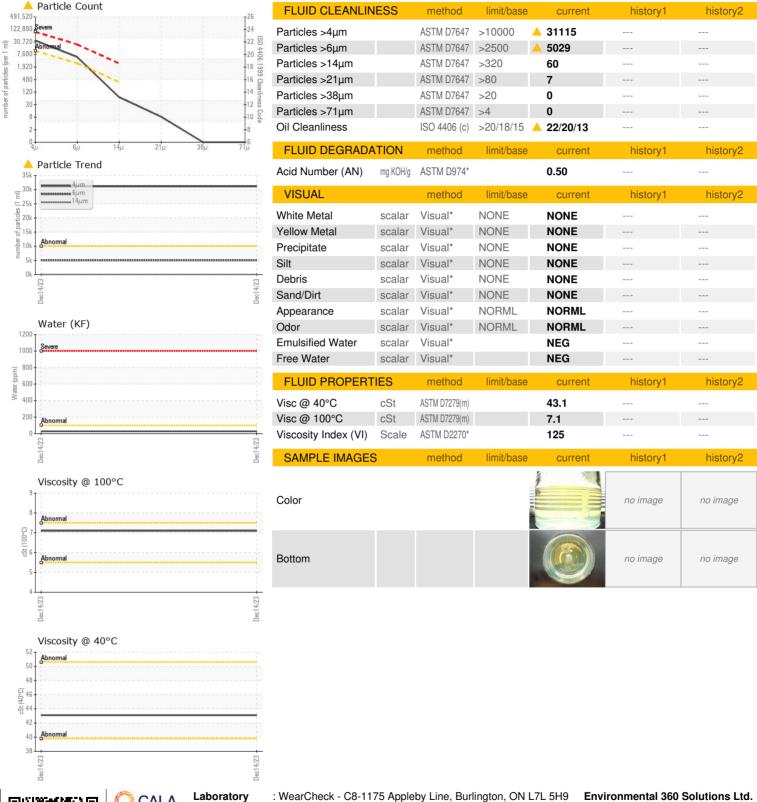
ppm

ASTM D6304\*

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## OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

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

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : E30001005

: 5697504

: 02604419

Validity of results and interpretation are based on the sample and information as supplied.

Recieved Diagnosed

: 20 Dec 2023 : 22 Dec 2023

Diagnostician : Tatiana Sorkina

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

Contact: Tatiana Sorkina tsorkina@e360s.ca T: (800)263-3939 F: (905)373-4950

640 Victoria Street

Cobourg, ON

**CA K9A 5H5** 

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.