

# **PROBLEM SUMMARY**

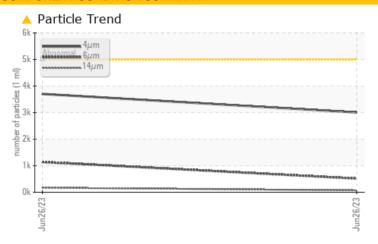
# Kimco Steel - K03600 Machine Id Sales AG164

Component **Hydraulic System** 

**AW HYDRAULIC OIL ISO 46 (--- GAL)** 

# Sample Rating Trend ISO Jun2023 Jun2023

# **COMPONENT CONDITION SUMMARY**



# RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

PROBLEMATIC TEST RESULTS							
Sample Status			ATTENTION	NORMAL			
Particles >14μm	ASTM D7647	>160	<u> </u>	71			
Particles >21µm	ASTM D7647	>40	<b>^</b> 75	44			
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>19/17/15</b>	19/16/13			

Customer Id: CHECOB Sample No.: E30000091 Lab Number: 02576325 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com

# RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter			?	We recommend you service the filters on this component.
Information Required			?	Please specify the brand, type, and viscosity of the oil on your next sample. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

# HISTORICAL DIAGNOSIS

26 Jun 2023 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





# **OIL ANALYSIS REPORT**

# Sample Rating Trend

# ISO

# Kimco Steel - K03600 Sales AG164

**Hydraulic System** 

AW HYDRAULIC OIL ISO 46 (--- GAL)

# **DIAGNOSIS**

# Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand. type, and viscosity of the oil on your next sample.

# Wear

All component wear rates are normal.

# Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.

# **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	/ATION	method	Jun2023  limit/base	Junžoza current	history1	history2
Sample Number		Client Info		E30000091	E30000036	
Sample Date		Client Info		26 Jun 2023	26 Jun 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ATTENTION	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	<1	<1	
Chromium	ppm	ASTM D5185(m)	>20	0	0	
Nickel	ppm	ASTM D5185(m)	>20	0	0	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)		0	0	
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	
Lead	ppm	ASTM D5185(m)	>20	0	0	
Copper	ppm	ASTM D5185(m)	>20	2	2	
Tin	ppm	ASTM D5185(m)	>20	0	0	
Antimony	ppm	ASTM D5185(m)		0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5	<1	<1	
Barium	ppm	ASTM D5185(m)	5	0	0	
Molybdenum	ppm	ASTM D5185(m)	5	<1	<1	
Manganese	ppm	ASTM D5185(m)		0	0	
Magnesium	ppm	ASTM D5185(m)	25	1	1	
Calcium	ppm	ASTM D5185(m)	200	101	104	
Phosphorus	ppm	ASTM D5185(m)	300	370	403	
Zinc	ppm	ASTM D5185(m)	370	401	409	
Sulfur	ppm	ASTM D5185(m)	2500	831	853	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	0	<1	
Sodium	ppm	ASTM D5185(m)		<1	<1	
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	
Water	%	ASTM D6304*	>0.05	0.003	0.003	
opm Water	ppm	ASTM D6304*	>500	34.9	27.4	

**FLUID CLEANLINESS** 

Particles >4µm

Particles >6µm

Particles >14µm

Particles >21µm

Particles >38µm

Particles >71µm

Oil Cleanliness

method

ASTM D7647 >5000

ASTM D7647 >1300

ASTM D7647 >160

ASTM D7647 >40

ASTM D7647 >10

ASTM D7647 >3

limit/base

ISO 4406 (c) >19/17/14 **A 19/17/15** 

current

3703

1140

**172** 

75

11

2

19/16/13

history1

3005

514 71

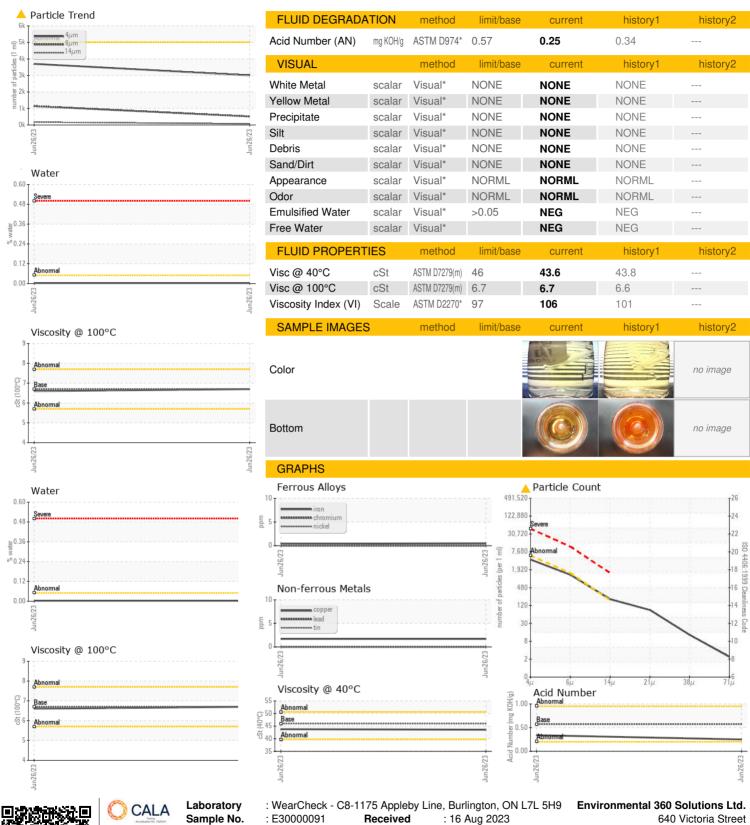
44 5

0

history2



# OIL ANALYSIS REPORT





ISO 17025:2017 Accredited

Laboratory

Sample No. Lab Number **Unique Number** 

: E30000091

: 02576325 : 5629385

Diagnosed Diagnostician

: 18 Aug 2023 : Wes Davis

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.

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