

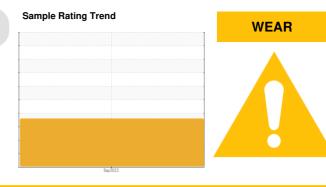
PROBLEM SUMMARY

Kilian Mfg. - K02400 Machine Id AM909

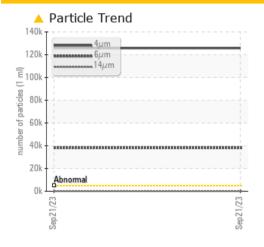
Component **Hydraulic System**

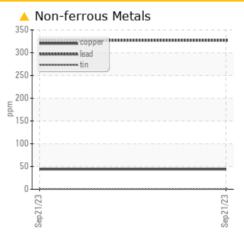
Fluid

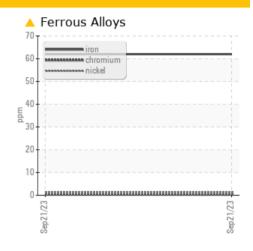
CHEM-ECOL CUTTING OIL 521 (--- GAL)



COMPONENT CONDITION SUMMARY







RECOMMENDATION

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

PROBLEMATIC TEST RESULTS											
Sample Status				ΑE	BNORMAL						
Iron	ppm	ASTM D5185(m)	>20		62						
Lead	ppm	ASTM D5185(m)	>20		327						
Copper	ppm	ASTM D5185(m)	>20		44						
Particles >4µm		ASTM D7647	>5000		125759						
Particles >6µm		ASTM D7647	>1300		38036						
Oil Cleanliness		ISO 4406 (c)	>19/17/14		24/22/14						

Customer Id: CHECOB Sample No.: E30000410 Lab Number: 02585853 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Tatiana Sorkina +1 (800)263-3939 tsorkina@e360s.ca

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



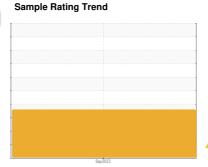
OIL ANALYSIS REPORT

Kilian Mfg. - K02400 **AM909**

Component

Hydraulic System

CHEM-ECOL CUTTING OIL 521 (--- GAL)





DIAGNOSIS

Recommendation

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

Wear

Copper, iron and lead ppm levels are noted.

Contamination

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

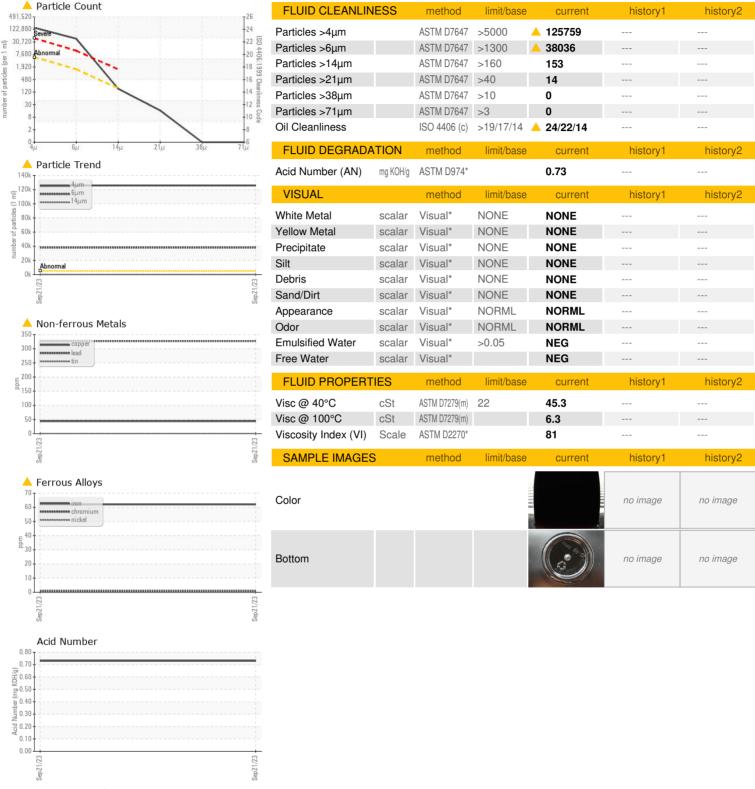
Fluid Condition

{not applicable}

				Sep 2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Batch #		Client Info		AM909		
Machine ID		Client Info		Sales		
Sample Number		Client Info		E30000410		
Sample Date		Client Info		21 Sep 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
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>20	△ 62		
Chromium	ppm	ASTM D5185(m)	>20	<1		
Nickel	ppm	ASTM D5185(m)	>20	1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		<1		
Aluminum	ppm	ASTM D5185(m)	>20	2		
Lead	ppm	ASTM D5185(m)	>20	4 327		
Copper	ppm	ASTM D5185(m)	>20	4 4		
Tin	ppm	ASTM D5185(m)	>20	<1		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Total Sulfur	%	ASTM D1552		1.51		
Active Sulfur	%	ASTM D1662		0.26		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		2		
Barium	ppm	ASTM D5185(m)		2		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		49		
Magnesium	ppm	ASTM D5185(m)		101		
Calcium	ppm	ASTM D5185(m)		1088		
Phosphorus	ppm	ASTM D5185(m)		537		
Zinc	ppm	ASTM D5185(m)		482		
Sulfur	ppm	ASTM D5185(m)		17728		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	8	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	6		
Sodium	ppm	ASTM D5185(m)		6		
Potassium	ppm	ASTM D5185(m)	>20	1		
Water	%	ASTM D6304*	>0.05	0.022		
ppm Water	ppm	ASTM D6304*	>500	226.6		



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 : E30000410

: 02585853 : 5654919

Received Diagnosed

: 28 Sep 2023 : 12 Oct 2023 Diagnostician

: Tatiana Sorkina Test Package : IND 2 (Additional Tests: KF, KV100, PQ, Sulphur-Active, Sulphur-Total, VI)

640 Victoria Street

Cobourg, ON **CA K9A 5H5** Contact: Fred Kosseim fkosseim@e360s.ca

Environmental 360 Solutions Ltd.

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.

T: (905)372-2251 F: (905)372-1658