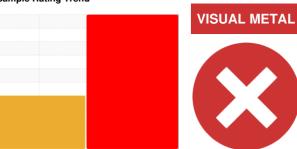


PROBLEM SUMMARY

Sample Rating Trend

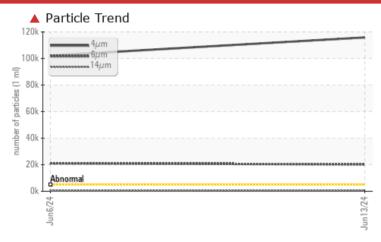


Maemax Compaction Services - 888098

A2406100 Component Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

DD001 5144710 7							
PROBLEMATIC TEST RESULTS							
Sample Status				SE	VERE	SEVERE	
Particles >4µm		ASTM D7647	>5000		115833	▲ 102265	
Particles >6µm		ASTM D7647	>640		20236	1 21048	
Particles >14μm		ASTM D7647	>160		453	△ 351	
Oil Cleanliness		ISO 4406 (c)	>19/16/14		24/22/16	4 24/22/16	
White Metal	scalar	Visual*	NONE		LTMOD	NONE	
PrtFilter						no image	no image

Customer Id: CHECOB Sample No.: E30002413 Lab Number: 02642953 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Aylwin Lee +1 (905)372-2251 aylwinlee@e360s.ca

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

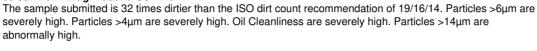
RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

06 Jun 2024 Diag: Tatiana Sorkina

ISO





Report Id: CHECOB [WCAMIS] 02642953 (Generated: 06/21/2024 11:12:32) Rev: 1



OIL ANALYSIS REPORT

Maemax Compaction Services - 888098 A2406100

Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- GAL)

Sample Rating Trend



DIAGNOSIS

Wear

Moderate concentration of visible metal present. Cutting wear particles are caused by either hard protuberances (mis-aligned components, etc.), or abrasives entering the system and embedding themselves in softer materials (sand, etc.), and gouging out mating surfaces.

▲ Contamination

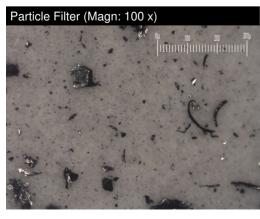
Particles >6µm are severely high. Particles >4µm are severely high. Oil Cleanliness are severely high. Particles >14µm are abnormally high.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Department		Client Info		Sales	Sales	
Sample From		Client Info		Machine	Machine	
Production Stage		Client Info		Initial	Initial	
Sent to WC		Client Info		06/17/2024	06/13/2024	
Sample Number		Client Info		E30002413	E30002387	
Sample Date		Client Info		13 Jun 2024	06 Jun 2024	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				SEVERE	SEVERE	

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	11	11	
Chromium	ppm	ASTM D5185(m)	>20	3	3	
Nickel	ppm	ASTM D5185(m)	>20	<1	<1	
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	1	1	
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		mothod	limit/baca	ourront	hictory1	hictory?

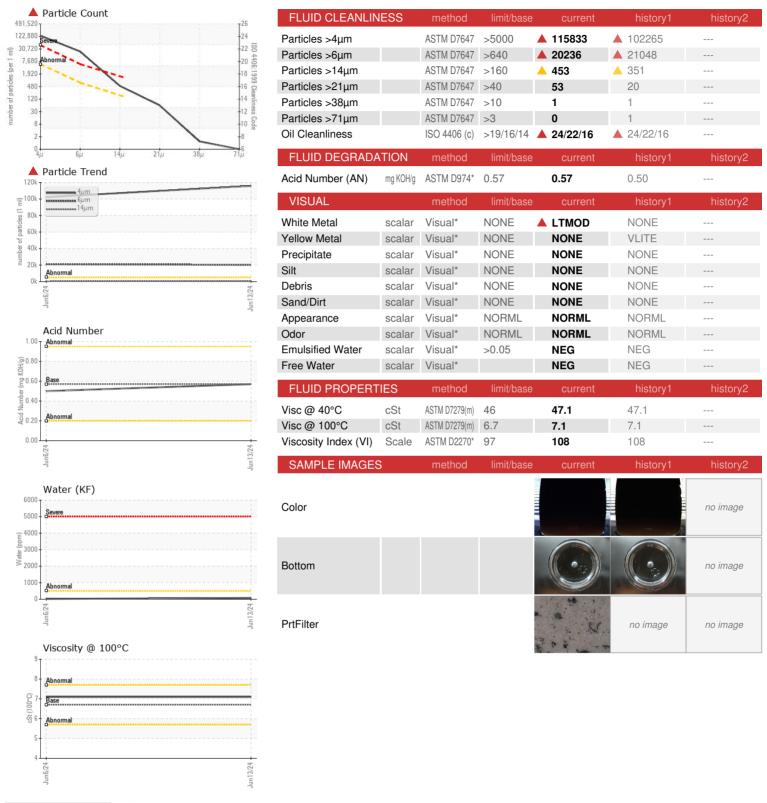
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5	1	<1	
Barium	ppm	ASTM D5185(m)	5	<1	<1	
Molybdenum	ppm	ASTM D5185(m)	5	0	0	
Manganese	ppm	ASTM D5185(m)		<1	<1	
Magnesium	ppm	ASTM D5185(m)	25	2	2	
Calcium	ppm	ASTM D5185(m)	200	94	94	
Phosphorus	ppm	ASTM D5185(m)	300	348	351	
Zinc	ppm	ASTM D5185(m)	370	410	417	
Sulfur	ppm	ASTM D5185(m)	2500	1976	2010	
Lithium	ppm	ASTM D5185(m)		<1	<1	

CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	3	3	
Sodium	ppm	ASTM D5185(m)		2	2	
Potassium	ppm	ASTM D5185(m)	>20	<1	1	
Water	%	ASTM D6304*	>0.05	0.007	0.002	
ppm Water	ppm	ASTM D6304*	>500	77	23	





OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Report Id: CHECOB [WCAMIS] 02642953 (Generated: 06/21/2024 11:12:32) Rev: 1

Laboratory Sample No.

Lab Number

: E30002413 : 02642953 Unique Number : 5800492

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 19 Jun 2024

Tested : 20 Jun 2024 Diagnosed

: 21 Jun 2024 - Aylwin Lee

640 Victoria Street Cobourg, ON **CA K9A 5H5**

Environmental 360 Solutions Ltd.

Test Package: IND 2 (Additional Tests: Bottom, BottomAnalysis, FilterPatch, KF, KV100, PrtFilt@orMact: Tatiana Sorkina 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.

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