

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

E-ONE 7854

Component 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.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of visible silt present in the sample.

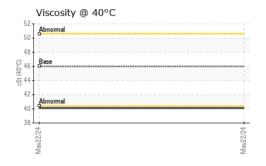
Fluid Condition

The condition of the oil is acceptable for the time in service.

				May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917841		
Sample Date		Client Info		22 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed	1113	Client Info		Not Changd		
Sample Status		Oliciit iiilo		ABNORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	5		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m	>10	<1		
Silver	ppm	ASTM D5185m		0		
Aluminum		ASTM D5185m	>10	4		
Lead	ppm	ASTM D5185m	>10	4 <1		
Copper	ppm	ASTM D5185m	>75	8		
Tin	ppm	ASTM D5185m	>10	o <1		
Vanadium	ppm	ASTM D5185m	≯10	0		
	ppm					
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0		
Boron Barium	ppm ppm	ASTM D5185m ASTM D5185m	5	0 2		
Barium	ppm	ASTM D5185m	5	2		
Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m	5	2		
Barium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	5	2 0 0		
Barium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 25	2 0 0 1		
Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 25 200	2 0 0 1 98		
Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 25 200 300	2 0 0 1 98 257		
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 25 200 300 370	2 0 0 1 98 257 299		
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 25 200 300 370 2500 limit/base	2 0 0 1 98 257 299 1760		
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 25 200 300 370 2500 limit/base	2 0 0 1 98 257 299 1760		
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	5 5 25 200 300 370 2500 limit/base >20	2 0 0 1 98 257 299 1760 current	 history1	 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m Method ASTM D5185m ASTM D5185m	5 5 25 200 300 370 2500 limit/base >20	2 0 0 1 98 257 299 1760 current 5	 history1	 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m METHOD ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 25 200 300 370 2500 limit/base >20 >20	2 0 0 1 98 257 299 1760 current 5 0	 history1	 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m MEthod ASTM D5185m	5 5 25 200 300 370 2500 limit/base >20 limit/base	2 0 0 1 98 257 299 1760 current 5 0 1	history1 history1	history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 25 200 300 370 2500 limit/base >20 limit/base	2 0 0 1 98 257 299 1760 current 5 0 1 current NONE	history1 history1	history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual	5 5 25 200 300 370 2500 limit/base >20 >20 limit/base NONE	2 0 0 1 98 257 299 1760 current 5 0 1 current NONE	history1 history1	history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m METHOD METHOD ASTM D5185m METHOD *Visual *Visual	5 5 25 200 300 370 2500 limit/base >20 limit/base NONE NONE NONE	2 0 0 1 98 257 299 1760 current 5 0 1 current NONE NONE	history1 history1	history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m *Visual *Visual *Visual	5 5 25 200 300 370 2500 limit/base >20 limit/base NONE NONE NONE	2 0 0 1 98 257 299 1760 current 5 0 1 current NONE NONE NONE MODER	history1 history1	history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	5 5 25 200 300 370 2500 limit/base >20 limit/base NONE NONE NONE NONE	2 0 0 1 98 257 299 1760 current 5 0 1 current NONE NONE NONE NONE NONE NONE NONE NON	history1 history1	history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	5 5 25 200 300 370 2500 limit/base >20 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	2 0 0 1 98 257 299 1760 current 5 0 1 current NONE NONE NONE NONE NONE NONE NONE NON	history1 history1	history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m *Visual	5 5 25 200 300 370 2500 limit/base >20 s20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	2 0 0 1 98 257 299 1760 current 5 0 1 current NONE NONE NONE NONE NONE NONE NONE NON	history1 history1	history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm	ASTM D5185m METHOD METHOD ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Wethod *Visual *Visual	5 5 25 200 300 370 2500 limit/base >20 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	2 0 0 1 98 257 299 1760 current 5 0 1 current NONE NONE NONE NONE NONE NONE NONE NON	history1 history1	history2 history2

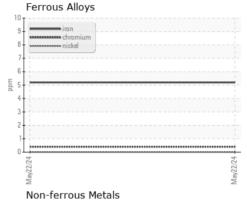


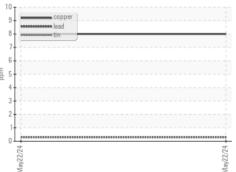
OIL ANALYSIS REPORT

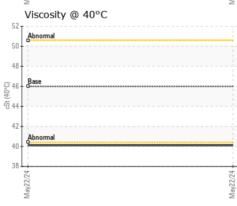


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	40.1		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
CDADHS						

GRAPHS









Certificate 12367

Laboratory

Sample No. : WC0917841 Lab Number : 06200942 Unique Number : 11063065

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 05 Jun 2024 Tested : 06 Jun 2024

: 08 Jun 2024 - Don Baldridge Diagnosed

CROSSROADS VFD 41961 STATE HWY 225

BAY MINETTE, AL US 36507 Contact: CHIP MAYS

fisherprof16@bellsouth.net T: (251)580-0090

Test Package : FLEET To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Contact/Location: CHIP MAYS - CROBAY