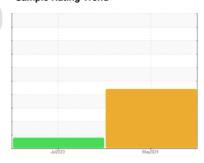


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id

E-47

Tank Hydraulic System

Fluid

AW HYDRAULIC OIL ISO 46 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates (2 to 100 microns in size) present in the oil.

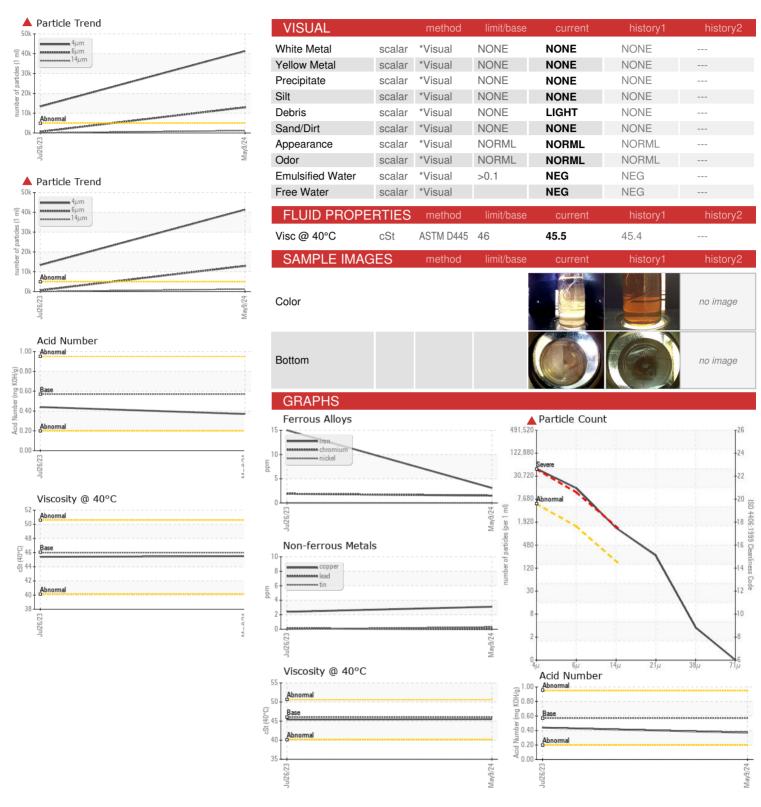
Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

			Jul2023	May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0124674	PCA0103214	
Sample Date		Client Info		09 May 2024	26 Jul 2023	
Machine Age	hrs	Client Info		10553	9403	
Oil Age	hrs	Client Info		2	16	
Oil Changed		Client Info		Changed	Changed	
Sample Status				SEVERE	ABNORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	3	15	
Chromium	ppm		>10	2	2	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m	-	0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>10	0	0	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>75	3	2	
Tin	ppm	ASTM D5185m	>10	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	
Barium	ppm	ASTM D5185m	5	0	2	
Molybdenum	ppm	ASTM D5185m	5	0	<1	
Manganese	ppm	ASTM D5185m		1	0	
Magnesium	ppm	ASTM D5185m	25	0	7	
Calcium	ppm	ASTM D5185m	200	55	76	
Phosphorus	ppm	ASTM D5185m	300	338	341	
Zinc	ppm	ASTM D5185m	370	439	438	
Sulfur	ppm	ASTM D5185m	2500	956	893	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1	1	
Sodium	ppm	ASTM D5185m		<1	0	
Potassium	ppm	ASTM D5185m	>20	0	<1	
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	41327	▲ 13363	
Particles >6µm		ASTM D7647	>1300	12954	633	
Particles >14µm		ASTM D7647	>160	<u> </u>	52	
Particles >21µm		ASTM D7647	>40	^ 226	14	
Particles >38μm		ASTM D7647	>10	3	2	
Particles >71μm		ASTM D7647	>3	0	1	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	23/21/17	<u>\$\lambda\$\$ 21/16/13</u>	
FLUID DEGRAE	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.37	0.44	



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

Lab Number : 06177092

: PCA0124674 Unique Number : 11023145 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 May 2024

Tested : 14 May 2024 Diagnosed : 14 May 2024 - Wes Davis

SCRAP METAL SERVICES NON-FERROUS DIVISION 3000 W 139TH ST BLUE ISLAND, IL US 60406

Contact: SERGIO FERNANDEZ sfernandez@scrapmetalservices.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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)

T:

F: