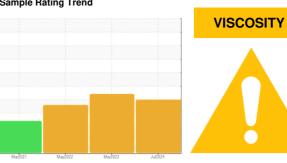


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

1403 - SUNRISE CO-OP

Hydraulic System

AW HYDRAULIC OIL ISO 32 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

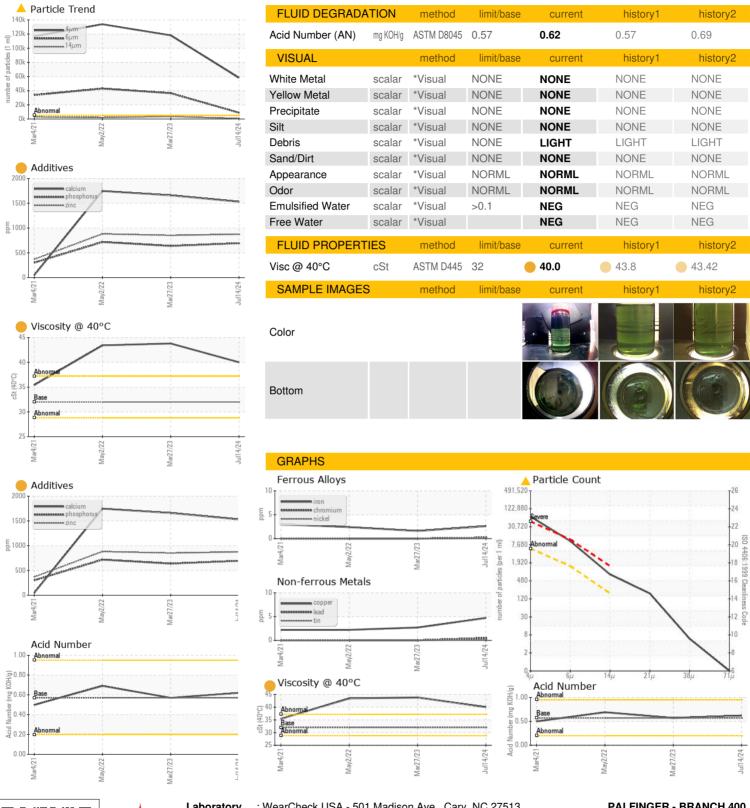
Fluid Condition

The oil viscosity is higher than normal. An additive depletion is indicated. Confirm oil type. The AN level is acceptable for this fluid.

		Mar202	1 May2022	Marž023 J	u2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0911773	WC0780167	WC0648692
Sample Date		Client Info		14 Jul 2024	27 Mar 2023	02 May 2022
Machine Age	mls	Client Info		0	0	02 May 2022
Oil Age	mls	Client Info		0	0	0
Oil Changed	11110	Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	3	2	2
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>10	2	2	2
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>75	5	3	2
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	5 0	5 0	62
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	<1	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	25	14	14	9
Calcium	ppm	ASTM D5185m	200	<u> </u>	1659	1747
Phosphorus	ppm	ASTM D5185m	300	693	638	718
Zinc	ppm	ASTM D5185m	370	<u> </u>	851	881
Sulfur	ppm	ASTM D5185m	2500	1999	2058	1965
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	4	5	6
Sodium	ppm	ASTM D5185m		<1	3	3
Potassium	ppm	ASTM D5185m	>20	1	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	△ 58336	<u>▲</u> 118102	▲ 133777
r artiolog > τμιτί			1000		A 004F0	A 40071
Particles >6µm		ASTM D7647	>1300	8869	<u>▲</u> 36456	<u>42971</u>
		ASTM D7647 ASTM D7647	>1300	▲ 8869 ▲ 687	▲ 3404	▲ 2029
Particles >6µm						
Particles >6μm Particles >14μm		ASTM D7647	>160	<u>▲</u> 687	△ 3404	△ 2029
Particles >6μm Particles >14μm Particles >21μm		ASTM D7647 ASTM D7647	>160 >40 >10	▲ 687 ▲ 160	▲ 3404 ▲ 575	△ 2029 △ 367



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: WC0911773 : 06235874 Unique Number : 11124708 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Jul 2024 **Tested** : 16 Jul 2024

Diagnosed : 16 Jul 2024 - Don Baldridge

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)

PALFINGER - BRANCH 400

4151 W ST RT 18 TIFFIN, OH US 44883 Contact: ERIC HILL

e.hill@palfinger.com T: (419)448-8156

F:

Report Id: PALTIF [WUSCAR] 06235874 (Generated: 07/16/2024 15:06:24) Rev: 1

Contact/Location: ERIC HILL - PALTIF