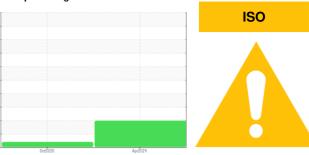


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

100384332 - BLUESTONE

Hydraulic System

AW HYDRAULIC OIL ISO 32 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 32. Please confirm.

Please specify the component make and model with your next sample.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

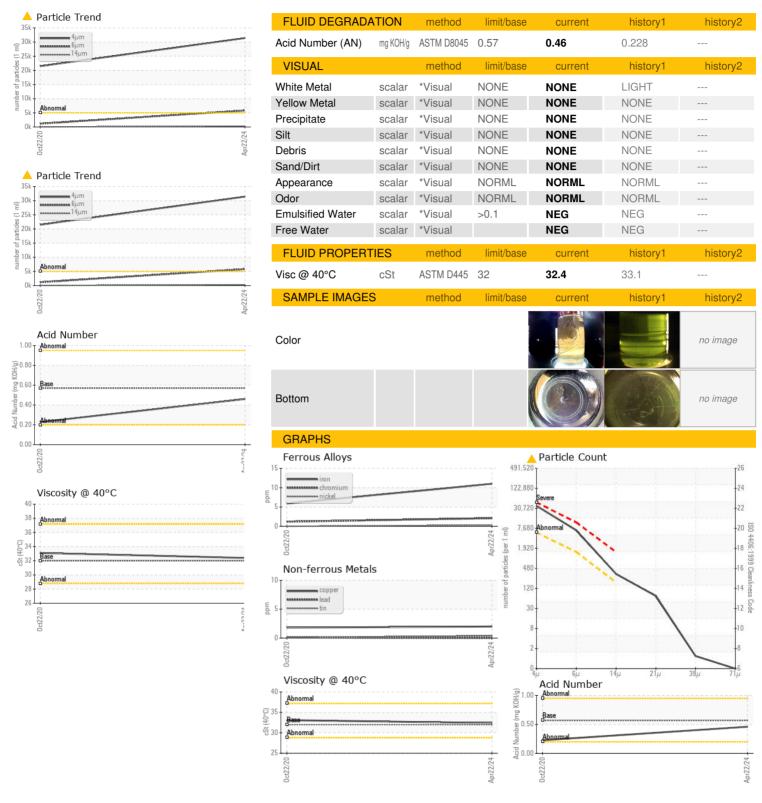
Fluid Condition

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

			0ct2020	AprŽ024		
SAMPLE INFORM	AATION	ام مطلع مما	line it /le e e e		lai aka mud	la i ata m vO
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0897471	WC0492140	
Sample Date		Client Info		22 Apr 2024	22 Oct 2020	
Machine Age	mls	Client Info		0	0	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	11	6	
Chromium	ppm	ASTM D5185m	>10	2	1	
Nickel	ppm	ASTM D5185m	>10	<1	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>10	2	0	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>75	2	2	
Tin	ppm	ASTM D5185m	>10	<1	<1	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	<1	
Barium	ppm	ASTM D5185m	5	0	0	
Molybdenum	ppm	ASTM D5185m	5	1	<1	
Manganese	ppm	ASTM D5185m	5	0	<1	
Magnesium	ppm	ASTM D5185m	25	8	2	
Calcium	ppm	ASTM D5185m	200	168	79	
Phosphorus	ppm	ASTM D5185m	300	412	269	
Zinc	ppm	ASTM D5185m	370	562	329	
Sulfur	ppm	ASTM D5185m	2500	1576	1145	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	1	<1	
Sodium	ppm	ASTM D5185m	00	<1	0	
Potassium	ppm	ASTM D5185m	>20	1	0	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	▲ 31402	<u>^</u> 21475	
Particles >6µm		ASTM D7647	>1300	<u>^</u> 5815	1170	
Particles >14μm		ASTM D7647	>160	288	32	
Particles >21µm		ASTM D7647	>40	6 3	9	
Particles >38μm		ASTM D7647	>10	1	0	
Particles >71μm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	22/20/15	<u>22/17/12</u>	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number : 06157597

: WC0897471 Unique Number : 10993020 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 Apr 2024 **Tested** : 24 Apr 2024

Diagnosed : 24 Apr 2024 - Wes Davis

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

Contact/Location: ERIC HILL - PALTIF

4151 W ST RT 18 TIFFIN, OH US 44883 Contact: ERIC HILL e.hill@palfinger.com

T: (419)448-8156