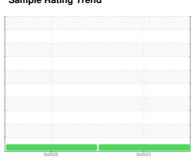


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 204 Component **Hydraulic System**

AW HYDRAULIC OIL ISO 46 (--- GAL)

DI			

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

			Oct2020	Oct2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0854104	WC0512307	
Sample Date		Client Info		31 Oct 2023	27 Oct 2020	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	1	
Chromium	ppm	ASTM D5185m	>20	0	0	
Nickel	ppm	ASTM D5185m	>20	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>20	0	0	
Lead	ppm	ASTM D5185m	>20	0	<1	
Copper	ppm	ASTM D5185m	>20	3	4	
Tin	ppm	ASTM D5185m	>20	<1	<1	
Antimony	ppm	ASTM D5185m			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	0	
Molybdenum	ppm	ASTM D5185m	5	0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	25	<1	0	
Calcium	ppm	ASTM D5185m	200	57	64	
Phosphorus	ppm	ASTM D5185m	300	331	347	
Zinc	ppm	ASTM D5185m	370	431	434	
Sulfur	ppm	ASTM D5185m	2500	1292	1242	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	
Sodium	ppm	ASTM D5185m		<1	0	
Potassium	ppm	ASTM D5185m	>20	0	<1	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	403	382	
Particles >6µm		ASTM D7647	>1300	130	118	
Particles >14μm		ASTM D7647	>160	10	7	
Particles >21μm		ASTM D7647	>40	3	2	
Particles >38μm		ASTM D7647	>10	0	0	
Particles >71μm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/10	16/14/10	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

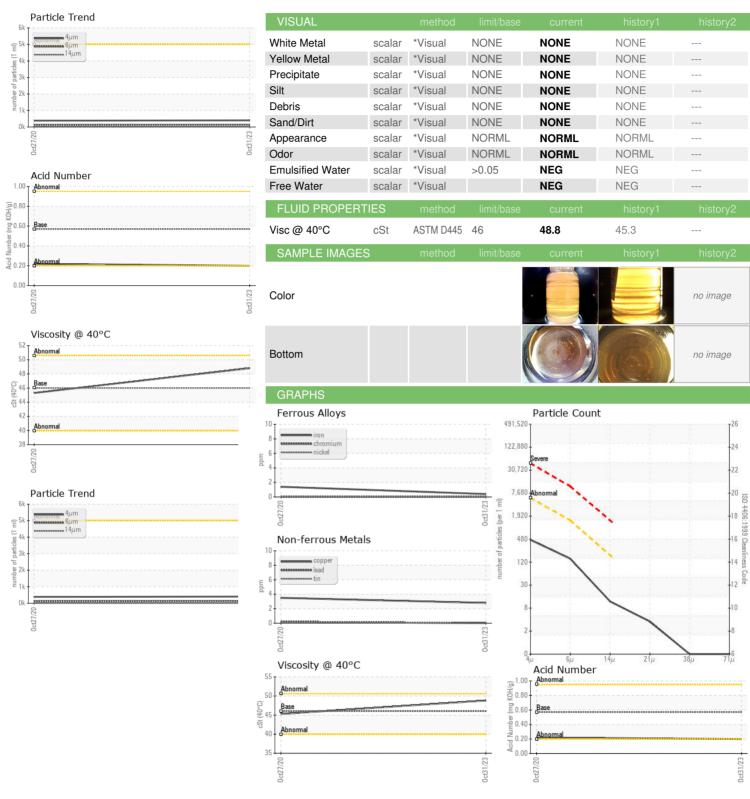
Acid Number (AN) mg KOH/g ASTM D8045 0.57

0.220

0.20



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number Unique Number

: 05995546 : 10723906 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0854104 Received : 01 Nov 2023 Diagnosed : 02 Nov 2023

Diagnostician

: Don Baldridge

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)

ENGINEERED MECHANICAL SYSTEM

118 PARMENAS LN CHATTANOOGA, TN US 37405

Contact: DAVID HUSKY

dhusky@emsfab.com

T:

F:

Report Id: ENGCHATN [WUSCAR] 05995546 (Generated: 11/02/2023 12:03:26) Rev: 1

Contact/Location: DAVID HUSKY - ENGCHATN