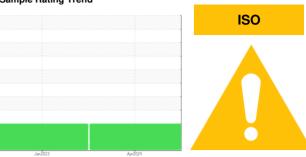


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

GOODYEAR AKRON TEST 94 EAST

Hydraulic System

CONOCO MEGAFLOW AW 46 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The water content is negligible. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code.

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.

			Jan2023	AprŽ024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST46271	ST44228	
Sample Date		Client Info		21 Apr 2024	02 Jan 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	8	9	
Chromium	ppm	ASTM D5185m	>20	<1	0	
Nickel	ppm	ASTM D5185m	>20	<1	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	2	0	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m	>20	6	5	
Tin	ppm	ASTM D5185m	>20	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		<1	0	
Molybdenum	ppm	ASTM D5185m		<1	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		<1	0	
Calcium	ppm	ASTM D5185m		9	13	
Phosphorus	ppm	ASTM D5185m		331	275	
Zinc	ppm	ASTM D5185m		257	223	
Sulfur	ppm	ASTM D5185m		1110	1058	
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	<1	
Sodium	ppm	ASTM D5185m		1	2	
Potassium	ppm	ASTM D5185m	>20	1	0	
Water	%	ASTM D6304	>0.05	0.00	0.007	
ppm Water	ppm	ASTM D6304	>500	0	77.5	
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>640	1625	▲ 1735	
Particles >6μm		ASTM D7647	>160	401	484	
Particles >14μm		ASTM D7647	>20	36	△ 35	
Particles >21µm		ASTM D7647	>4	<u> </u>	<u> </u>	
Particles >38µm		ASTM D7647	>3	0	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>16/14/11	△ 18/16/12	△ 18/16/12	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.38	0.32	0.28	



OIL ANALYSIS REPORT







Laboratory Sample No.

: ST46271 Lab Number : 06155990 Unique Number : 10991413

Received **Tested**

: 23 Apr 2024 Diagnosed : 23 Apr 2024 - Wes Davis

: 22 Apr 2024

Test Package : IND 2 (Additional Tests: KF) Certificate 12367 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)

FLUID POWER SOLUTIONS

4400 Edgewyn Ave. Hilliard, OH US 43026

Contact: SCOTT ROGERS srogers@fluid-power-solutions.com

T: (614)777-8954 F: (614)777-8640

Report Id: FLUHIL [WUSCAR] 06155990 (Generated: 04/23/2024 13:40:11) Rev: 1

Contact/Location: SCOTT ROGERS - FLUHIL