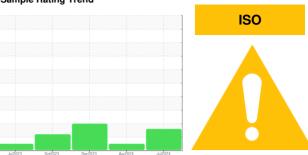


OIL ANALYSIS REPORT

Sample Rating Trend



SERVO VALVES

AF12-510-2260-1100 AF12-510-2260-1100 GRY WEMHONER 1 SHORT CYCLE

Hydraulic System

MOBIL DTE 10 EXCEL 46 (370 GAL)

Fluid

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0936665	WC0902609	WC0859322
Sample Date		Client Info		09 Jul 2024	15 Apr 2024	01 Dec 2023
Machine Age	yrs	Client Info		0	6	5
Oil Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		18	18	11
Iron	ppm	ASTM D5185m	>20	3	3	<1
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>20	4	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	2	1	0
Tin	ppm	ASTM D5185m	>20	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		2	0	<1
Calcium	ppm	ASTM D5185m		141	121	123
Phosphorus	ppm	ASTM D5185m		483	396	419
Zinc	ppm	ASTM D5185m		635	492	557
Sulfur	ppm	ASTM D5185m		5588	5280	5027
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	2
Sodium	ppm	ASTM D5185m		0	2	<1
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water	%	ASTM D6304	>0.05	0.017	0.005	0.017
ppm Water	ppm	ASTM D6304	>500	171	51	172
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>640	2583	903	<u></u> 5420
Particles >6µm		ASTM D7647	>160	△ 302	187	<u></u> ▲ 814
Particles >14μm		ASTM D7647	>10	<u> </u>	13	4 6
Particles >21µm		ASTM D7647	>3	2	3	△ 15
Particles >38μm		ASTM D7647	>3	0	0	1
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>16/14/10	19/15/11	17/15/11	<u>^</u> 20/17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

0.62



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number : 06240317

: WC0936665 Unique Number : 11129151 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Jul 2024 **Tested** : 19 Jul 2024

Diagnosed : 20 Jul 2024 - Don Baldridge

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)

5851 ARAUCO ROAD

Contact: JUSTIN FOX

justin.fox@arauco.com

GRAYLING, MI

US 49738

T:

F: