

# **OIL ANALYSIS REPORT**

Plant US1 Greenville Machine Id MAF4 - Hydraulic

Component Hydraulic System Fluid SHELL TELLUS S2 M 46 (--- GAL)

#### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

#### Wear

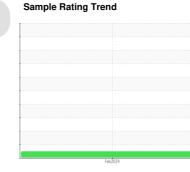
All component wear rates are normal.

#### Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

## Fluid Condition

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





NORMAL

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TLC0001535		
Sample Date		Client Info		19 Feb 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history?
			>20			history2
Iron	ppm	ASTM D5185m	- =0	2		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>20	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m		<1		
Lead	ppm	ASTM D5185m	>20	<1		
Copper	ppm	ASTM D5185m		2		
Tin	ppm	ASTM D5185m	>20	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		5		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		2		
Calcium	ppm	ASTM D5185m		2		
Phosphorus	ppm	ASTM D5185m		171		
Zinc	ppm	ASTM D5185m		144		
Sulfur	ppm	ASTM D5185m		404		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.05	NEG		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1291		
Particles >6µm		ASTM D7647	>1300	309		
Particles >14µm		ASTM D7647	>160	23		
Particles >21µm		ASTM D7647		7		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/12		
FLUID DEGRADA	TION	method				history2



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