

OIL ANALYSIS REPORT

Plant US1 Greenville MAF4 - D-2 Hydraulic

Hydraulic System

SHELL TELLUS S2 M 46 (--- GAL)

Sample Rating Trend



		DIAGNOSIS
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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. 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.

				Feb2024		
SAMPLE INFORM	//ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TLC0001511		
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	history2
Iron	ppm	ASTM D5185m	>20	<1		
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	>20	<1		
Lead	ppm	ASTM D5185m	>20	<1		
Copper	ppm	ASTM D5185m	>20	5		
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		44		
Calcium	ppm	ASTM D5185m		18		
Phosphorus	ppm	ASTM D5185m		227		
Zinc	ppm	ASTM D5185m		305		
Sulfur	ppm	ASTM D5185m		836		
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	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	492		
Particles >6µm		ASTM D7647	>1300	102		
Particles >14µm		ASTM D7647	>160	13		
Particles >21µm		ASTM D7647	>40	4		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/11		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2

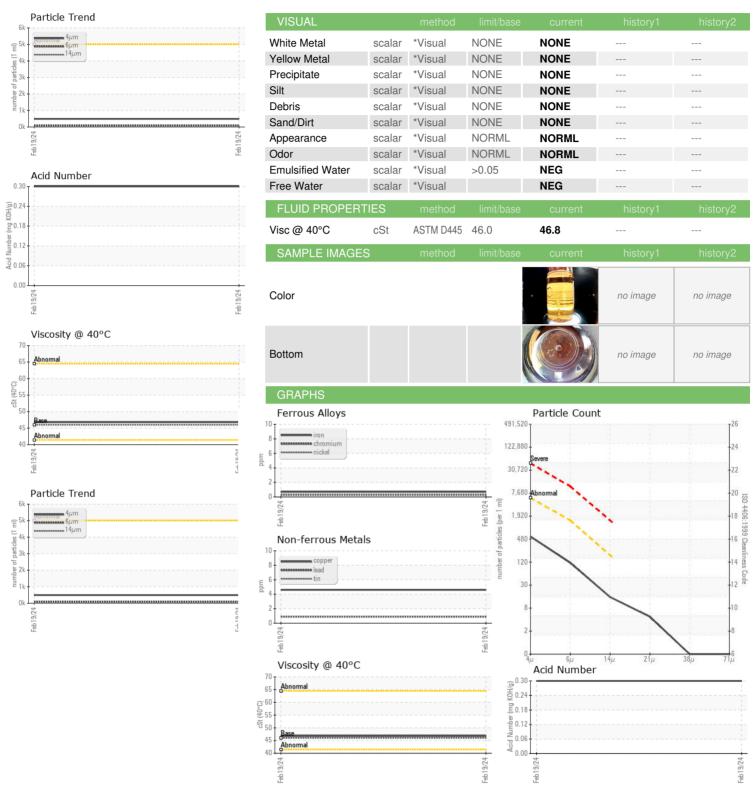
0.30

Acid Number (AN)

mg KOH/g ASTM D8045



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Laboratory Sample No.

: TLC0001511 Lab Number : 06098346 Unique Number: 10896576

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

: 26 Feb 2024 : 26 Feb 2024 - Don Baldridge Diagnosed

MICHELIN TIRE-GREENVILLE US 1 JN DOCK 1401 ANTIOCH CHURCH ROAD

Greenville, SC US 29605

Test Package : PLANT Contact: Nicolas Jackson Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. nicolas.jackson@michelin.com

* - 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)

T: F: