

OIL ANALYSIS REPORT

Sample Rating Trend



Plant US1 Greenville MAF3 - Hydraulic

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.

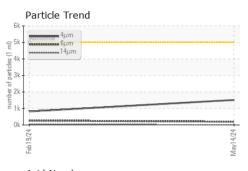
Fluid Condition

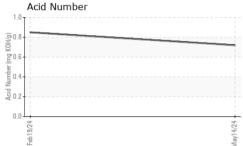
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

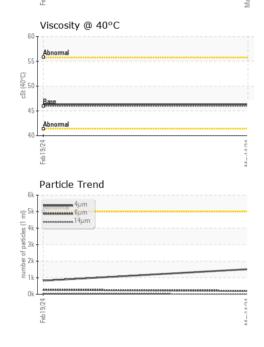
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TLC0001516	TLC0001433	
Sample Date		Client Info		14 May 2024	19 Feb 2024	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	<1	
Chromium	ppm	ASTM D5185m	>20	0	<1	
Nickel	ppm	ASTM D5185m	>20	0	<1	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m		<1	<1	
Aluminum	ppm	ASTM D5185m	>20	0	<1	
Lead	ppm	ASTM D5185m	>20	0	<1	
Copper	ppm	ASTM D5185m	>20	<1	<1	
Tin	ppm	ASTM D5185m	>20	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	5	
Molybdenum	ppm	ASTM D5185m		0	<1	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m		3	2	
Calcium	ppm	ASTM D5185m		6	5	
Phosphorus	ppm	ASTM D5185m		156	124	
Zinc	ppm	ASTM D5185m		45	15	
Sulfur	ppm	ASTM D5185m		1854	1915	
CONTAMINANTS	• •	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	3	
Sodium	ppm	ASTM D5185m	210	1	0	
Potassium	ppm	ASTM D5185m	>20	0	<1	
Water	%	ASTM D6304		NEG	NEG	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1516	821	
Particles >6µm		ASTM D7647	>1300	203	266	
Particles >14µm		ASTM D7647	>160	9	32	
Particles >21µm		ASTM D7647		4	9	
Particles >38µm		ASTM D7647	>10	0	1	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/15/10	17/15/12	
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.72	0.85	
(-)	0 - 0				-	

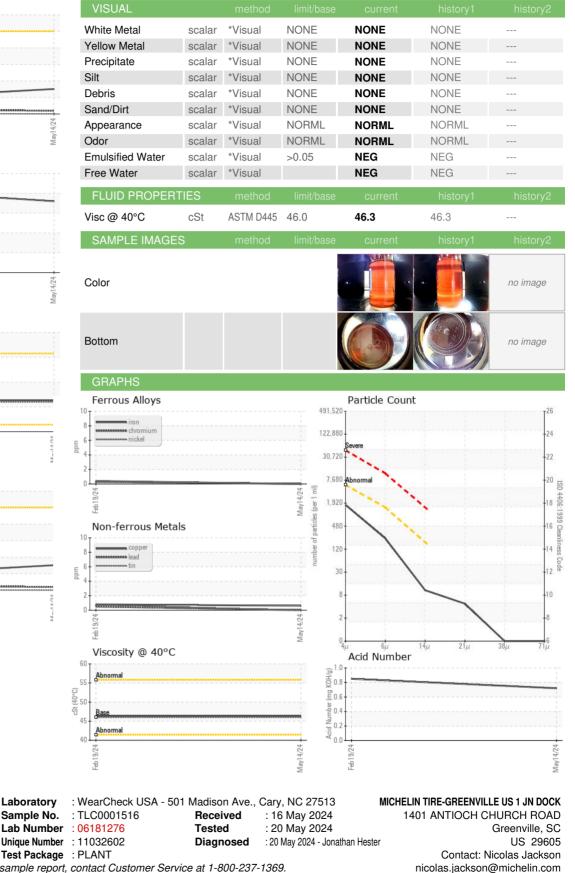


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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

Certificate 12367

Laboratory

Sample No.

Submitted By: Nicolas Jackson Page 2 of 2

T: (864)458-1870

E: