

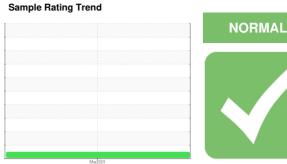
OIL ANALYSIS REPORT

Area [3278451]

FLUID SAMPLE PUMP RM RETURN INLET - SHELL TELLUS X2 MX 46

New (Unused) Oil

{not provided} (--- GAL)



DIAGNOSIS

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.

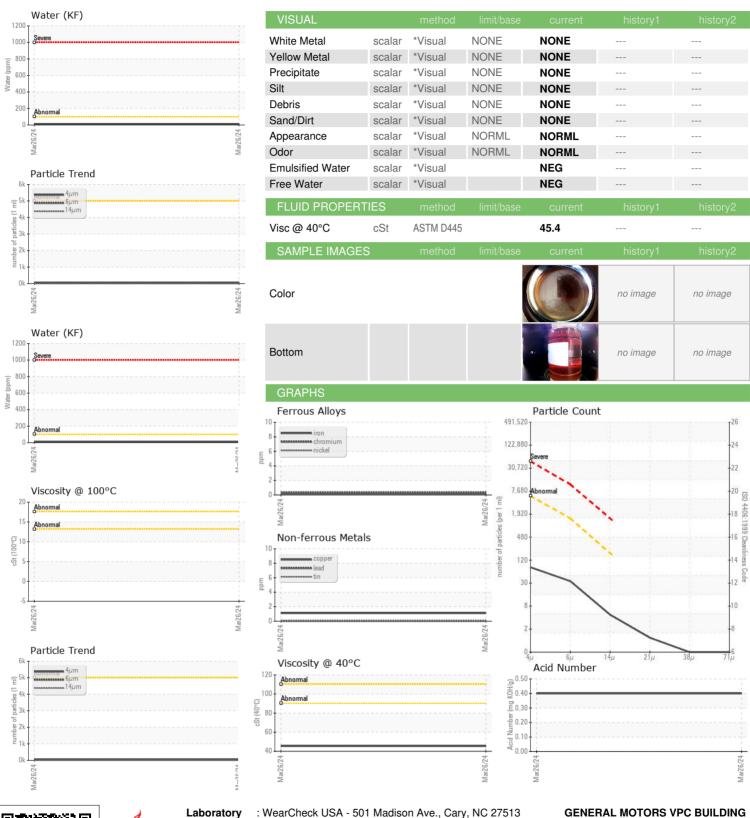
Fluid Condition

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

				Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0766769		
Sample Date		Client Info		26 Mar 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	>5	<1		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>5	0		
Aluminum	ppm	ASTM D5185m	>5	2		
Lead	ppm	ASTM D5185m	>5	0		
Copper	ppm	ASTM D5185m	>5	1		
Tin	ppm	ASTM D5185m	>5	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		22		
Phosphorus	ppm	ASTM D5185m		300		
Zinc	ppm	ASTM D5185m		300		
Sulfur	ppm	ASTM D5185m		683		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon						
Sodium	ppm	ASTM D5185m	>15	3		
	ppm	ASTM D5185m	. 20	3		
Potassium	ppm	ASTM D5185m	>20	<1		
Water ppm Water	%	ASTM D6304 ASTM D6304		0.001 13		
• • • • • • • • • • • • • • • • • • • •	ppm					
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	69		
Particles >6µm		ASTM D7647	>1300	30		
Particles >14µm		ASTM D7647	>160	4		
Particles >21µm		ASTM D7647	>40	1		
Particles >38μm		ASTM D7647	>10	0		
Particles >71μm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	13/12/9		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.40		



OIL ANALYSIS REPORT





Laboratory Sample No.

: WC0766769 Lab Number : 06141328 Unique Number : 10966136

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Apr 2024

Tested : 11 Apr 2024 Diagnosed

: 11 Apr 2024 - Jonathan Hester

30003 VAN DYKE AVE. WARREN, MI US 48090

Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PrtCount, VI) Contact: DANIEL BARKUME 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.

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: DANIEL BARKUME - GENWAR

F: (586)575-1675