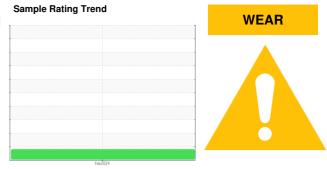


OIL ANALYSIS REPORT

Plant US1 Greenville **BNS-4** - Extruder Gearbox

Component Gearbox

SHELL OMALA 320 (--- GAL)



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Gear wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

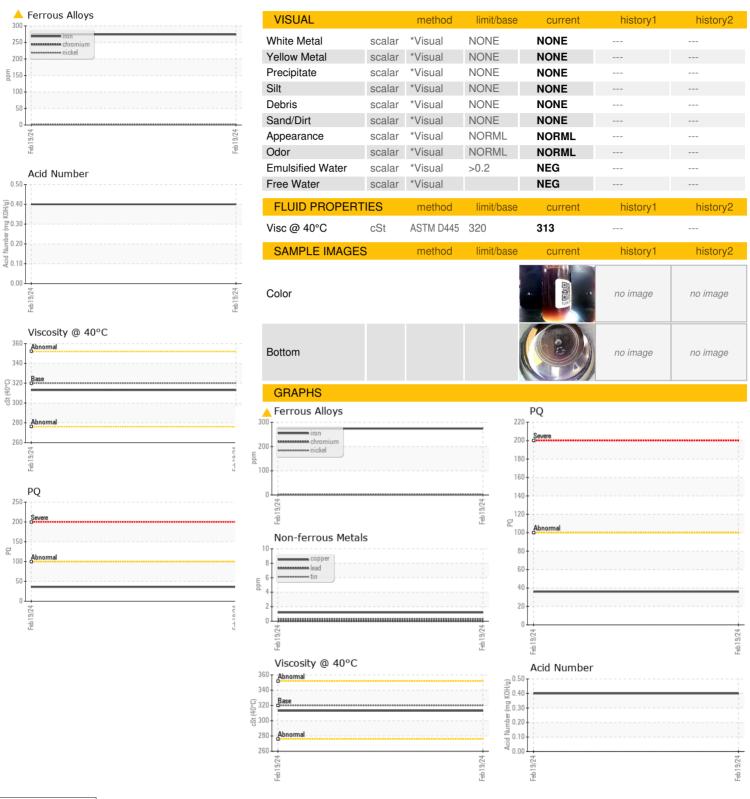
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TLC0001447		
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				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		36		
Iron	ppm	ASTM D5185m	>200	^ 274		
Chromium	ppm	ASTM D5185m	>15	2		
Nickel	ppm	ASTM D5185m	>15	2		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	1		
Lead	ppm	ASTM D5185m	>100	0		
Copper	ppm	ASTM D5185m	>200	1		
Tin	ppm	ASTM D5185m	>25	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5.5	5		
Barium	ppm	ASTM D5185m	0.4	0		
Molybdenum	ppm	ASTM D5185m	0.5	0		
Manganese	ppm	ASTM D5185m		3		
Magnesium	ppm	ASTM D5185m	23	2		
Calcium	ppm	ASTM D5185m	13	10		
Phosphorus	ppm	ASTM D5185m	450	309		
Zinc	ppm	ASTM D5185m	9.9	<1		
Sulfur	ppm	ASTM D5185m	8181	13119		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	7		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.40		



OIL ANALYSIS REPORT





Laboratory Sample No.

: TLC0001447 Lab Number : 06098566 **Unique Number** : 10896796

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

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

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

Greenville, SC US 29605 Contact: Nicolas Jackson

Test Package : PLANT Certificate L2367 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.

nicolas.jackson@michelin.com T:

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

F: