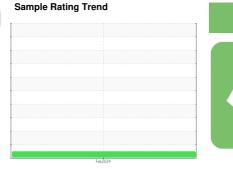


## **OIL ANALYSIS REPORT**

Plant US1 Greenville **BD-4 - Roller Nose Gearbox** 

Component
Gearbox
Fluid





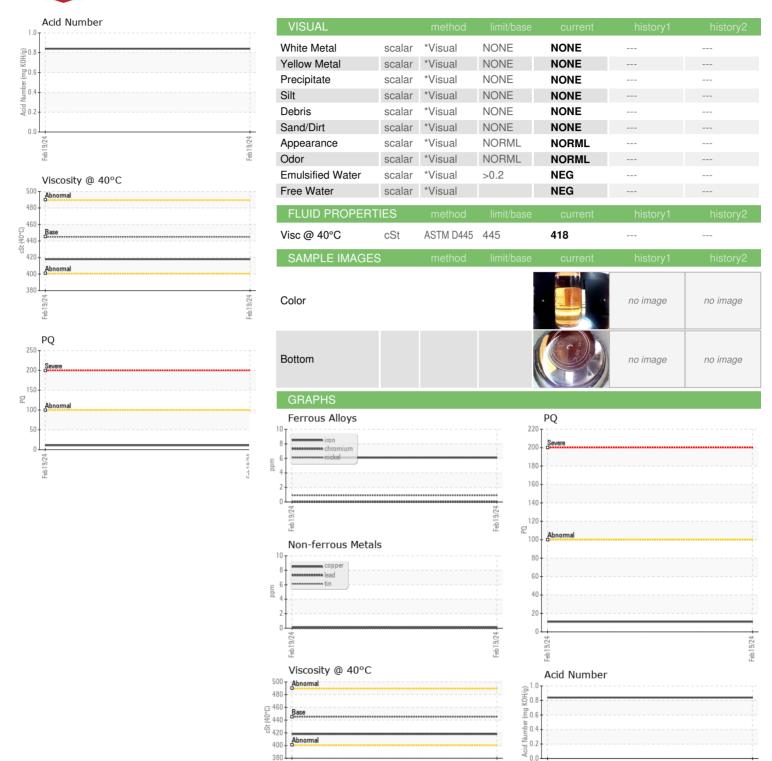
Fluid CHELL MODUNA SA P 460 (12 CAL)							
SHELL MORLINA S4 B 460 (12 GAL)					Feb 2024		
DIAGNOSIS	SAMPLE INFORMA	NOITA	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		TLC0001458		
Resample at the next service interval to monitor.	Sample Date		Client Info		19 Feb 2024		
Wear	Machine Age	nrs	Client Info		0		
All component wear rates are normal.	Oil Age	nrs	Client Info		0		
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.	Oil Changed		Client Info		N/A		
	Sample Status				NORMAL		
	CONTAMINATION		method	limit/base	current	history1	history2
	Water		WC Method	>0.2	NEG		
	WEAR METALS		method	limit/base	current	history1	history2
	PQ		ASTM D8184		11		
	Iron	opm	ASTM D5185m	>200	6		
	Chromium	opm	ASTM D5185m	>15	0		
	Nickel	opm	ASTM D5185m	>15	<1		
	Titanium	opm	ASTM D5185m		0		
	Silver	opm	ASTM D5185m		0		
	Aluminum	opm	ASTM D5185m	>25	<1		
	Lead	opm	ASTM D5185m	>100	0		
	Copper	opm	ASTM D5185m	>200	<1		
	Tin	opm	ASTM D5185m	>25	<1		
	Vanadium	opm	ASTM D5185m		0		
	Cadmium	opm	ASTM D5185m		0		

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		14		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		6		
Calcium	ppm	ASTM D5185m		25		
Phosphorus	ppm	ASTM D5185m		412		
Zinc	ppm	ASTM D5185m		6		
Sulfur	ppm	ASTM D5185m		5642		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	5		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A adal Niconala au (ANI)	I/OII/-	ACTM DOOM		0.04		

Potassium	ppm	ASTM D5185m	>20	2	 
FLUID DEGRADA	TION	method			history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.84	 



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No.

Lab Number : 06098550 Unique Number: 10896780 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TLC0001458 Received

: 23 Feb 2024 **Tested** Diagnosed

: 26 Feb 2024 : 26 Feb 2024 - Wes Davis

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

Greenville, SC US 29605

Contact: Nicolas Jackson nicolas.jackson@michelin.com

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)

T: F: