

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

Morningside Raleigh Component Bottom Oil

{not provided} (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

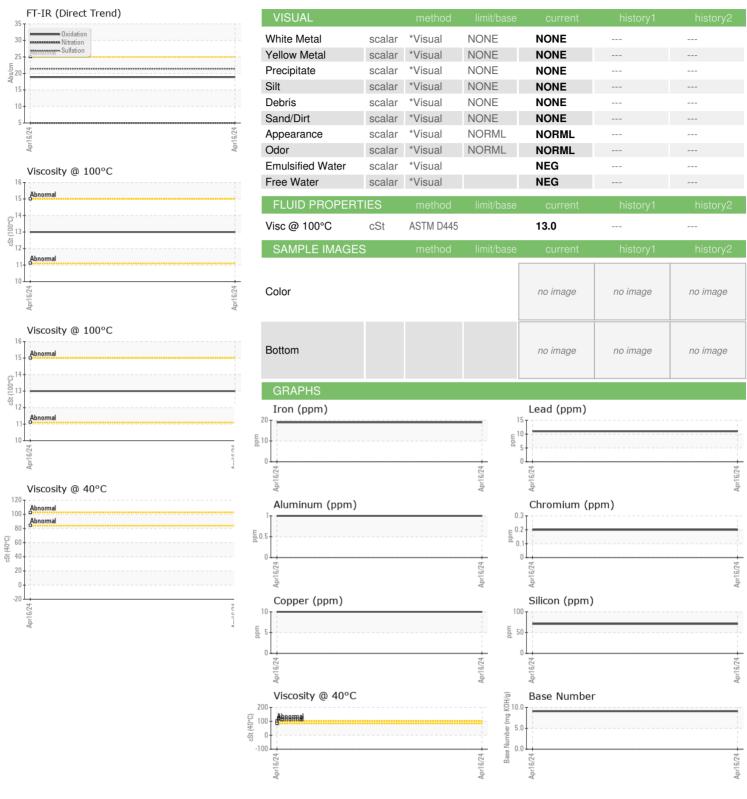
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

				Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0858825		
Sample Date		Client Info		16 Apr 2024		
Machine Age	hrs	Client Info		84		
Oil Age	hrs	Client Info		84		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		19		
Chromium	ppm	ASTM D5185m		<1		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		1		
Lead	ppm	ASTM D5185m		11		
Copper	ppm	ASTM D5185m		10		
Tin	ppm	ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		17		
Barium	ppm	ASTM D5185m		3		
Molybdenum	ppm	ASTM D5185m		51		
Manganese	ppm	ASTM D5185m		3		
Magnesium	ppm	ASTM D5185m		400		
Calcium	ppm	ASTM D5185m		2145		
Phosphorus	ppm	ASTM D5185m		1034		
Zinc	ppm	ASTM D5185m		1292		
Sulfur	ppm	ASTM D5185m		4415		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		71		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1		
Nitration	Abs/cm	*ASTM D7624		5.0		
Sulfation	Abs/.1mm	*ASTM D7415		21.4		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414		18.9		
Base Number (BN)	mg KOH/g	ASTM D2896		9.10		



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Laboratory Sample No.

: WC0858825 Lab Number : 06159650

Unique Number : 10995073

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

Received **Tested** Diagnosed

: 24 Apr 2024 : 26 Apr 2024

: 26 Apr 2024 - Jonathan Hester

Contact: RYAN BAILEY ryan.bailey@bittingelectric.com

 st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Test Package : MOB 1 (Additional Tests: FT-IR, KV100, TBN) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

Submitted By: ROBERT MCARTHUR

US 27560

ALTERNATIVE POWER

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