

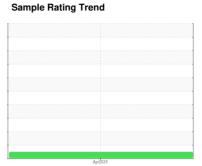
OIL ANALYSIS REPORT



MINING ME-80 CATERPILLAR 740B T4S00327

Diesel Engine

SHELL RIMULA SUPER SAE 15W40 (11 GAL)





DIAGNOSIS

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

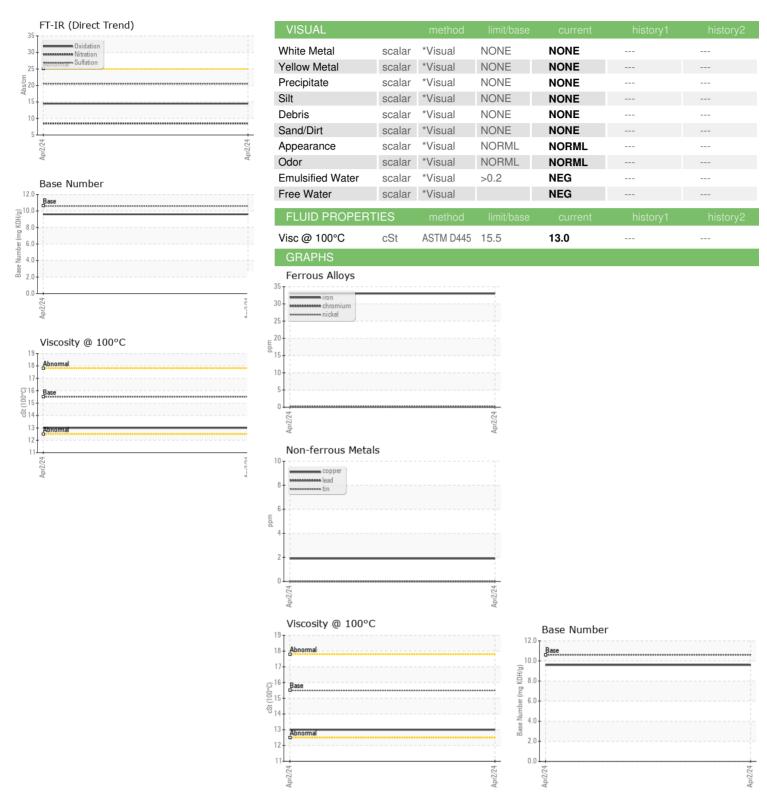
Fluid Condition

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

•	II GAL)					
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0908962		
Sample Date		Client Info		02 Apr 2024		
Machine Age	hrs	Client Info		12779		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION		method	limit/base	current	history1	history2
-uel		WC Method	>5	<1.0		
Nater		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	33		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m	>2	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>25	7		
_ead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	2		
Γin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		5		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		58		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		880		
Calcium	ppm	ASTM D5185m	2840	1147		
Phosphorus	ppm	ASTM D5185m	1150	1021		
Zinc	ppm	ASTM D5185m	1270	1209		
Sulfur	ppm	ASTM D5185m	2829	3409		
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.6		
Vitration	Abs/cm	*ASTM D7624	>20	8.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.5		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.5		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0908962 Lab Number : 06141060 Unique Number : 10965868

Received **Tested**

Diagnosed : 09 Apr 2024 - Wes Davis Test Package : CONST (Additional Tests: TBN)

: 08 Apr 2024

: 09 Apr 2024

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. **COVIA - GUION - 025**

421 MAIN STREET GUION, AR US 72540

Contact: DANIEL DELGADO daniel.delgado@coviacorp.com

T: F:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: COVGUI [WUSCAR] 06141060 (Generated: 04/09/2024 10:44:42) Rev: 1

Contact/Location: DANIEL DELGADO - COVGUI