

OIL ANALYSIS REPORT









MINING

ME-15 CATERPILLAR 980G MK700428

Diesel Engine

Fluid SHELL RIMULA SUPER

DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

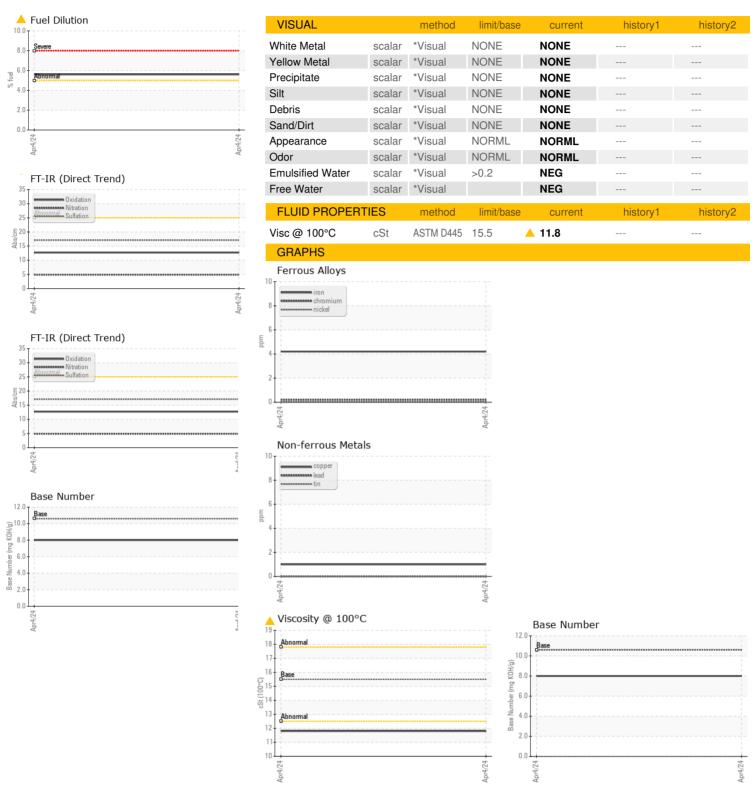
▲ Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Sample Number Client Info WC0927323							
Sample Number Client Info WC0927323 Sample Date Client Info 04 Apr 2024 Machine Age hrs Client Info 8774 Oil Age hrs Client Info N/A Oil Changed Client Info N/A Sample Status ABNORMAL CONTAMINATION method limit/base current history1 Water WC Method NEG Glycol WC Method NEG WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >20 <1 Verandium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >25 <1 <th>ANDLE INCODMA</th> <th>ATION</th> <th>m oth o d</th> <th>limit/booo</th> <th>ou we not</th> <th>hiotomut</th> <th>biotom/0</th>	ANDLE INCODMA	ATION	m oth o d	limit/booo	ou we not	hiotomut	biotom/0
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Potassium ppm ASTM D5185m >20 0	lium	ppm	ASTM D5185m		1		
	assium	ppm	ASTM D5185m	>20	0		
Fuel % ASTM D3524 >5 ▲ 5.6	·I	%	ASTM D3524	>5	△ 5.6		
INFRA-RED method limit/base current history1 h	IFRA-RED		method	limit/base	current	history1	history2
Soot % % *ASTM D7844 >3 0.2	ot %	%	*ASTM D7844	>3	0.2		
Nitration Abs/cm *ASTM D7624 >20 4.9		Abs/cm	*ASTM D7624	>20	4.9		
Sulfation Abs/.1mm *ASTM D7415 >30 17.1	ation	Abs/.1mm	*ASTM D7415	>30	17.1		
FLUID DEGRADATION method limit/base current history1 h	LUD DECDADAT	ION	method	limit/base	current	history1	history2
FLOID DEGRADATION Method minimizes current mistory i	LUID DEGRADA I						•
Oxidation			*ASTM D7414	>25			



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0927323 **Lab Number** : 06142770

Unique Number : 10967578

Received : 09 Apr 2024 **Tested** Diagnosed

: 11 Apr 2024 : 11 Apr 2024 - Wes Davis

Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN) 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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