

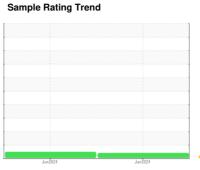
# **OIL ANALYSIS REPORT**



# MINING ME-015 CATERPILLAR 773G JWS00457

**Diesel Engine** 

SHELL RIMULA SUPER SAE 15W40 (--- GAL)





### **DIAGNOSIS**

#### Recommendation

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

All component wear rates are normal.

#### Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

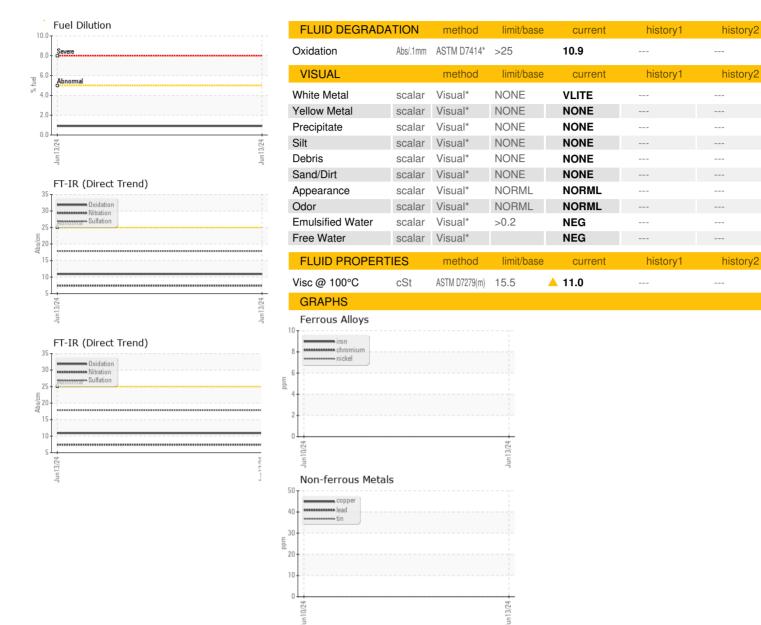
### Fluid Condition

Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0941664	WC0941664	
Sample Date		Client Info		13 Jun 2024	10 Jun 2024	
Machine Age	hrs	Client Info		61056	6156	
Oil Age	hrs	Client Info		61056	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	6		
Chromium	ppm	ASTM D5185(m)	>20	<1		
Nickel	ppm	ASTM D5185(m)	>2	<1		
Titanium	ppm	ASTM D5185(m)	>2	0		
Silver	ppm	ASTM D5185(m)	>2	0		
Aluminum	ppm	ASTM D5185(m)	>25	2		
Lead	ppm	ASTM D5185(m)	>40	1		
Copper	ppm	ASTM D5185(m)	>330	50		
Tin	ppm	ASTM D5185(m)	>15	<1		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		17		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		14		
Manganese	ppm	ASTM D5185(m)		<1		
Magnesium	ppm	ASTM D5185(m)		90		
Calcium	ppm	ASTM D5185(m)	2840	2172		
Phosphorus	ppm	ASTM D5185(m)	1150	884		
Zinc	ppm	ASTM D5185(m)	1270	1028		
Sulfur	ppm	ASTM D5185(m)	2829	2930		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	2		
Sodium	ppm	ASTM D5185(m)		1		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Fuel	%	ASTM D7593*	>5	0.9	<1.0	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0		
Nitration	Abs/cm	ASTM D7624*	>20	7.4		
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.8		



## **OIL ANALYSIS REPORT**







Laboratory Sample No.

Lab Number : 02643316 Unique Number : 5800855

10

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0941664

Received : 21 Jun 2024 **Tested** : 24 Jun 2024

Diagnosed : 24 Jun 2024 - Kevin Marson Test Package : CONST ( Additional Tests: FuelDilution, PercentFuel, Visual )

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

Viscosity @ 100°C

Covia Canada Ltd.

260 Unimin Road, County Rd. #46 Havelock, ON CA K0L 1Z0 Contact: Dan Lyon dan.lyon@coviacorp.com T: (705)632-8904

Submitted By: Paul Laneville