



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	ABNORMAL

Area  
**[97622981]**  
 Machine Id  
**MQ LM-117**  
 Component  
**Front Diesel Engine**  
 Fluid  
**{not provided} (15 LTR)**

## RECOMMENDATION

We advise that you check the fuel injection system. We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

## WEAR

All component wear rates are normal.

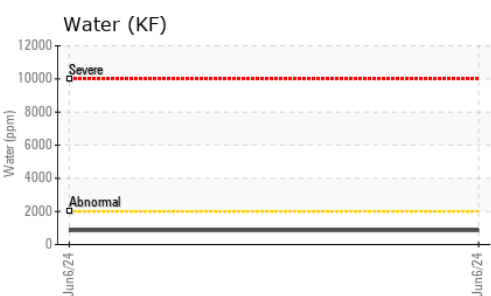
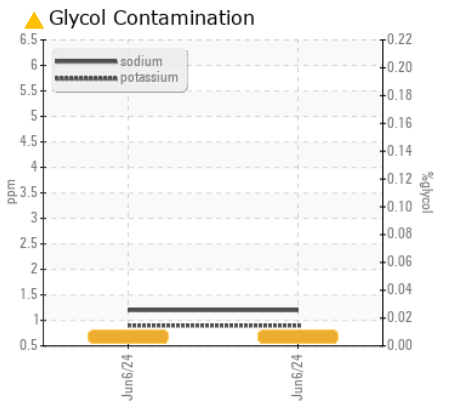
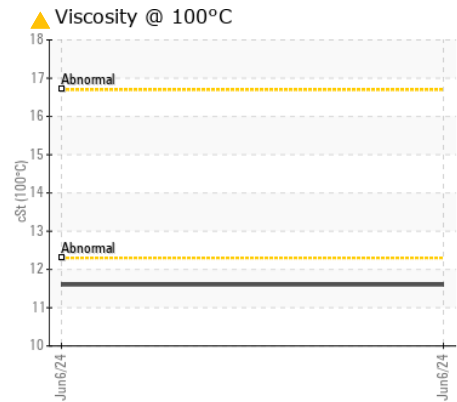
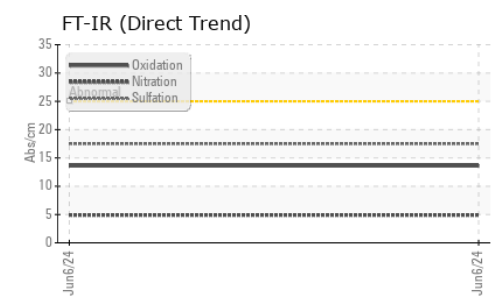
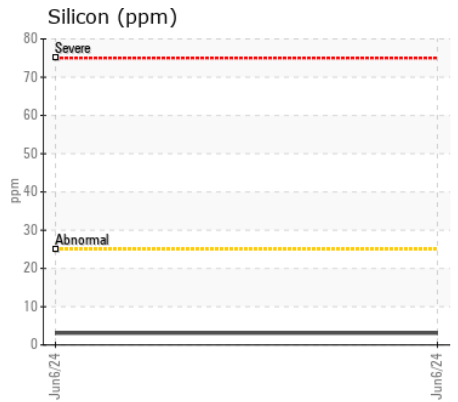
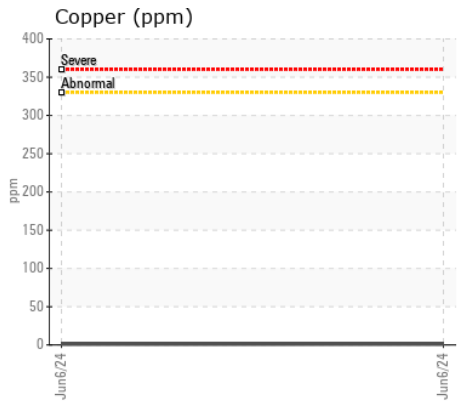
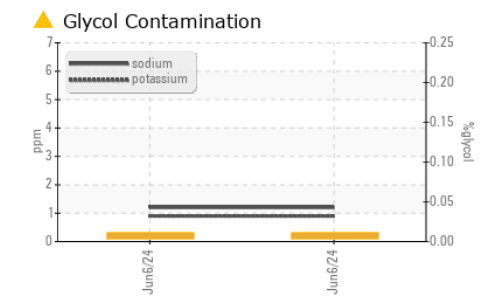
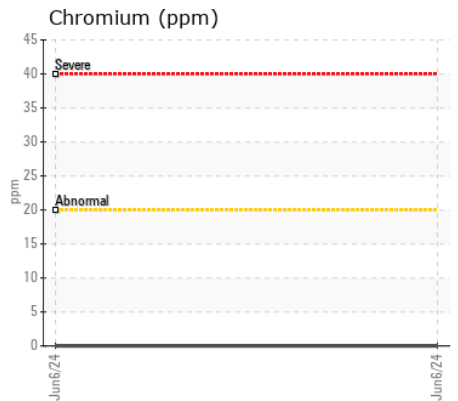
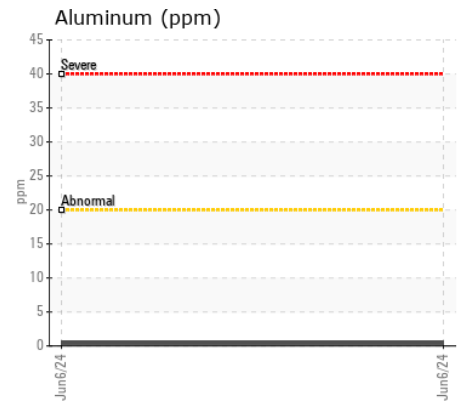
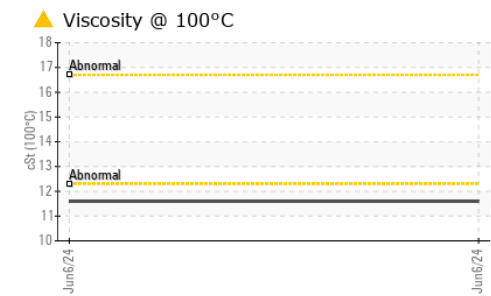
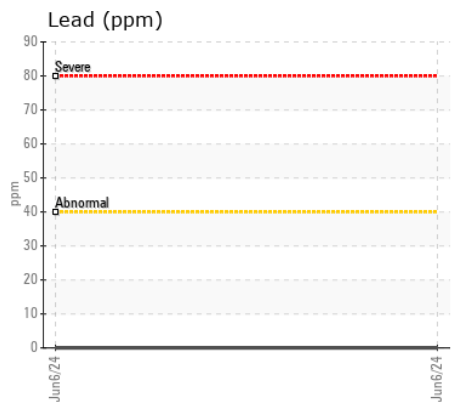
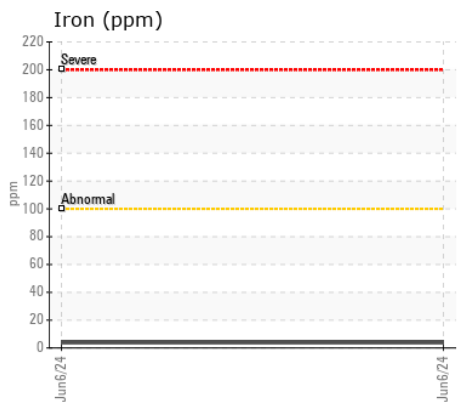
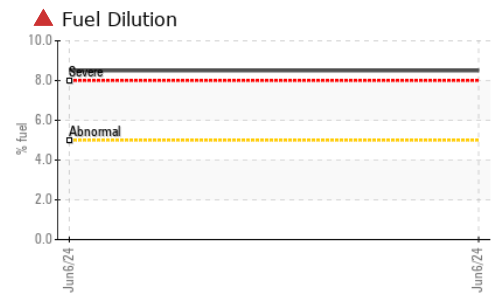
## CONTAMINATION

Test for glycol is positive. There is a high amount of fuel present in the oil. There is a light concentration of glycol present in the oil. The water content is negligible. Tests confirm the presence of fuel in the oil.

## FLUID CONDITION

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0866079	---	---
Sample Date		Client Info		06 Jun 2024	---	---
Machine Age	hrs	Client Info		6029	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				SEVERE	---	---
<hr/>						
Iron	ppm	ASTM D5185(m)	>100	4	---	---
Chromium	ppm	ASTM D5185(m)	>20	0	---	---
Nickel	ppm	ASTM D5185(m)	>4	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<1	---	---
Lead	ppm	ASTM D5185(m)	>40	0	---	---
Copper	ppm	ASTM D5185(m)	>330	1	---	---
Tin	ppm	ASTM D5185(m)	>15	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
<hr/>						
Silicon	ppm	ASTM D5185(m)	>25	3	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Fuel	%	ASTM D7593*	>5	▲ 8.5	---	---
Water	%	ASTM D6304*	>0.2	0.085	---	---
ppm Water	ppm	ASTM D6304*	>2000	856	---	---
Glycol	%	ASTM D7922*		▲ 0.011	---	---
Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	4.9	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.5	---	---
Emulsified Water	scalar	Visual*	>0.2	.2%	---	---
<hr/>						
Sodium	ppm	ASTM D5185(m)		1	---	---
Boron	ppm	ASTM D5185(m)		<1	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		52	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		878	---	---
Calcium	ppm	ASTM D5185(m)		936	---	---
Phosphorus	ppm	ASTM D5185(m)		909	---	---
Zinc	ppm	ASTM D5185(m)		1066	---	---
Sulfur	ppm	ASTM D5185(m)		2360	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.6	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		▲ 11.6	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0866079  
**Lab Number** : 02640756  
**Unique Number** : 5789918  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, Glycol, KF, PercentFuel )

**BPT COMPONENTS & PARTS INC.**  
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 MISSISSAUGA, ON  
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 F:

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.