



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Machine Id  
**WACKER NEUSON 20-1115 (S/N WNCS0506CPUM01115)**  
 Component  
**Diesel Engine**  
 Fluid  
**SHELL ROTELLA T5 10W30 (CJ4) (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC	---	---
Sample Date		Client Info		27 May 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		200	---	---
Filter Age	hrs	Client Info		200	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				MARGINAL	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	22	---	---
Chromium	ppm	ASTM D5185(m)	>20	1	---	---
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	2	---	---
Lead	ppm	ASTM D5185(m)	>40	5	---	---
Copper	ppm	ASTM D5185(m)	>330	4	---	---
Tin	ppm	ASTM D5185(m)	>15	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

## CONTAMINATION

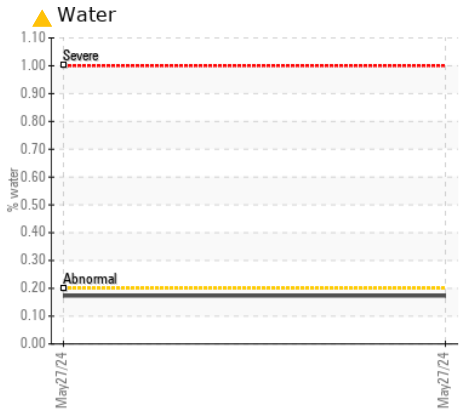
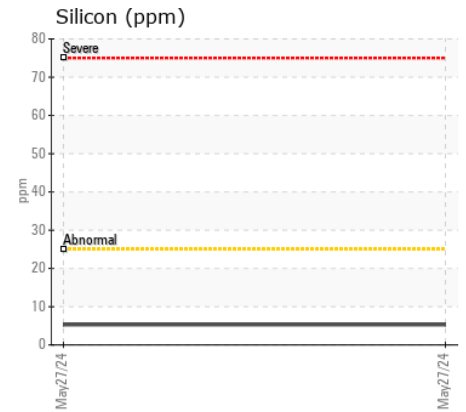
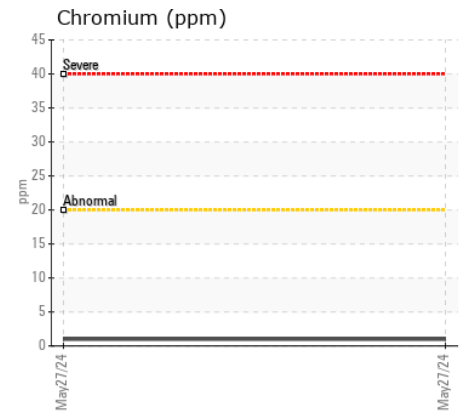
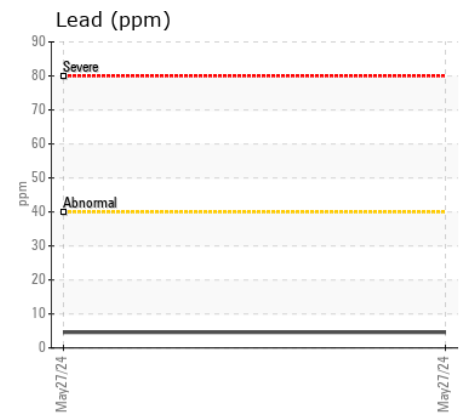
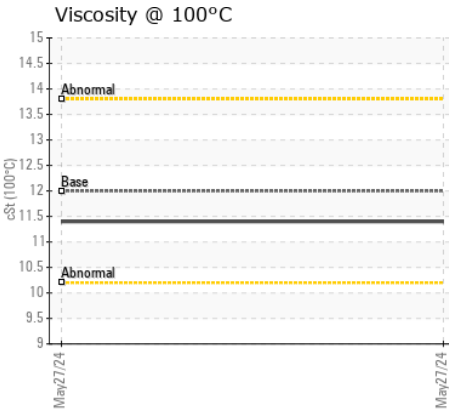
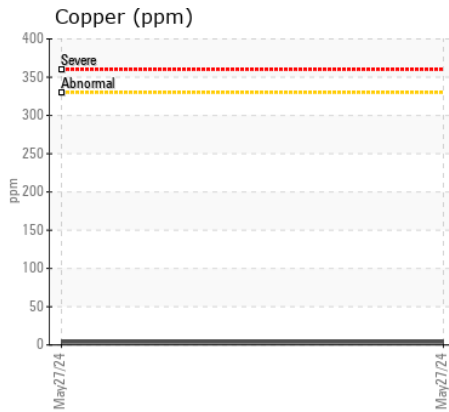
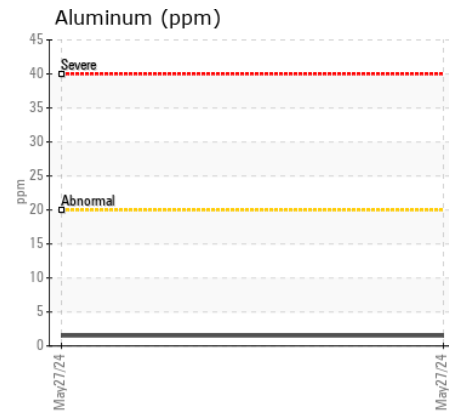
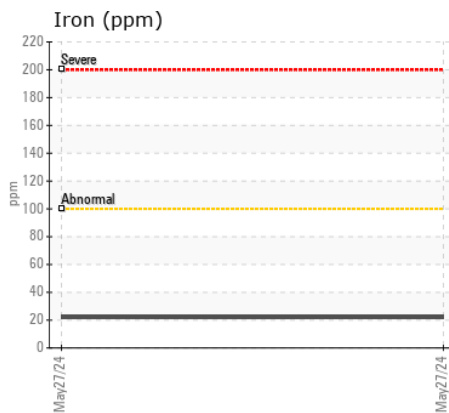
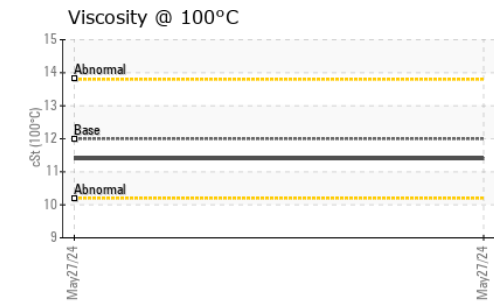
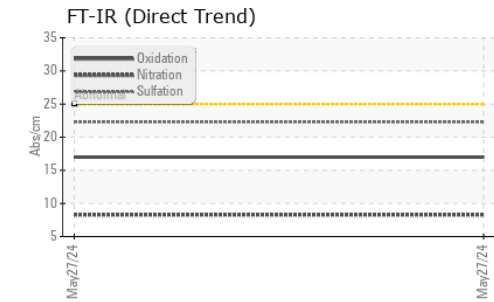
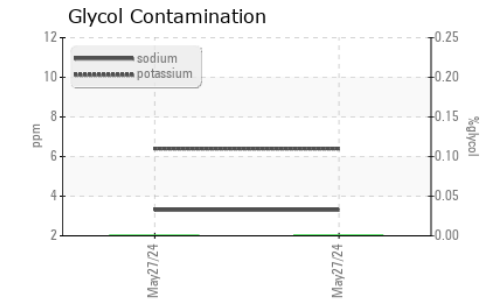
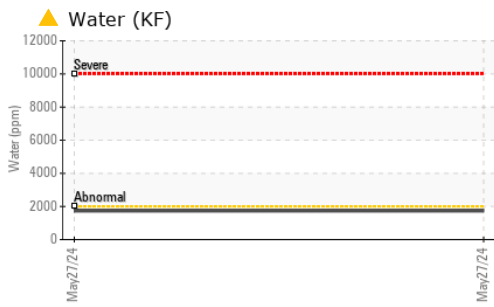
There is a trace of moisture present in the oil. Test for glycol is negative.

Silicon	ppm	ASTM D5185(m)	>25	5	---	---
Potassium	ppm	ASTM D5185(m)	>20	6	---	---
Fuel		WC Method	>5	<1.0	---	---
Water	%	ASTM D6304*	>0.2	▲ 0.173	---	---
ppm Water	ppm	ASTM D6304*	>2000	▲ 1734	---	---
Glycol	%	ASTM D7922*		0.0	---	---
Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	8.3	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.3	---	---
Emulsified Water	scalar	Visual*	>0.2	▲ .2%	---	---

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		3	---	---
Boron	ppm	ASTM D5185(m)		139	---	---
Barium	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)		16	---	---
Calcium	ppm	ASTM D5185(m)		2109	---	---
Phosphorus	ppm	ASTM D5185(m)		961	---	---
Zinc	ppm	ASTM D5185(m)		1106	---	---
Sulfur	ppm	ASTM D5185(m)		2881	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.0	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.0	11.4	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC **Received** : 28 May 2024  
**Lab Number** : 02637926 **Tested** : 30 May 2024  
**Unique Number** : 5787088 **Diagnosed** : 30 May 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: Glycol, KF )

**A.S.E EQUIPMENT**  
 8503 WELLINGTON RD 18  
 FERGUS, ON  
 CA N1M 2W5  
 Contact: Service Manager

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.

T:  
F: