



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
P.O. 33790
 Component
Diesel Engine
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. 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. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

Iron ppm levels are abnormal. Cylinder, crank, or cam shaft wear is indicated.

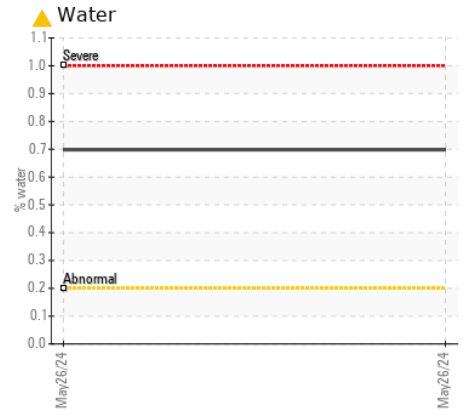
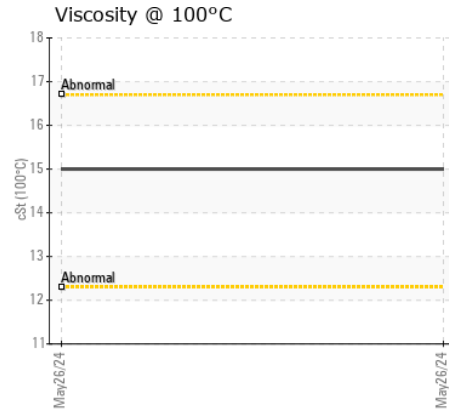
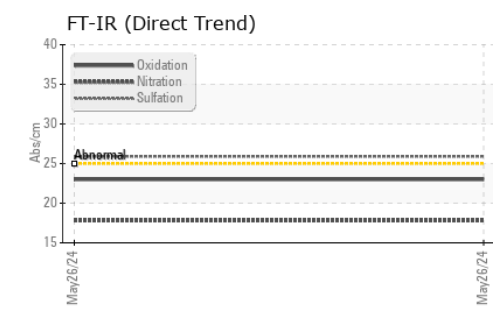
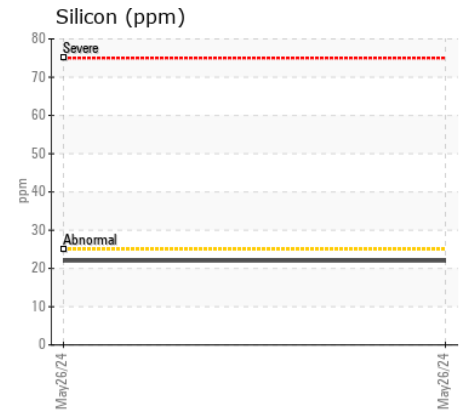
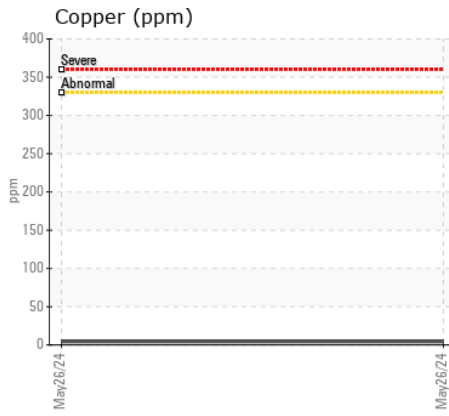
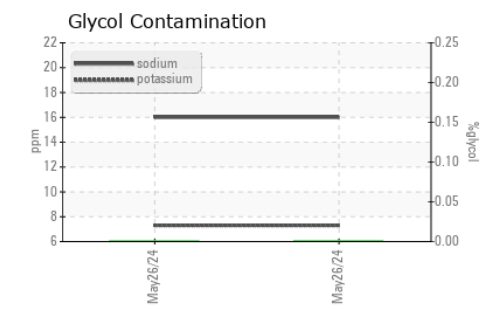
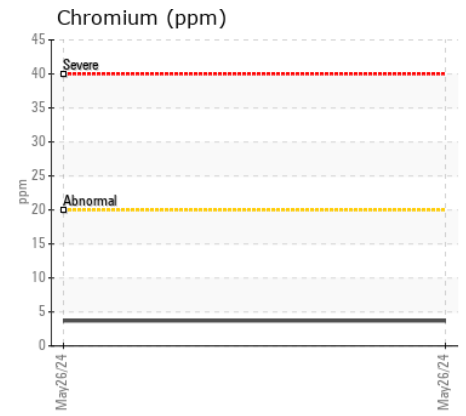
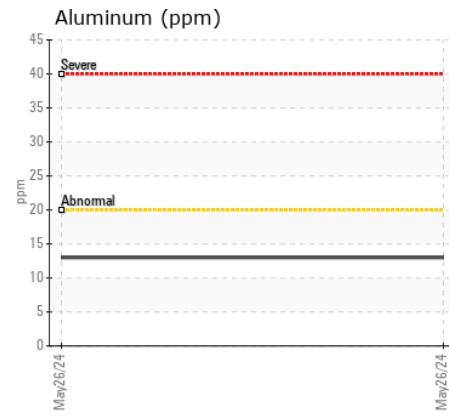
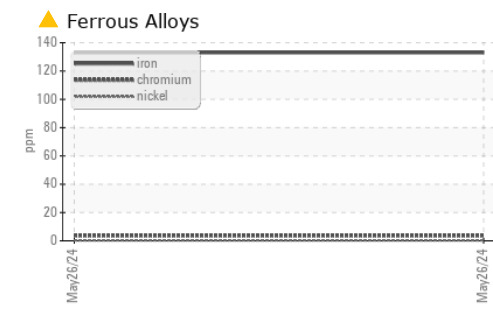
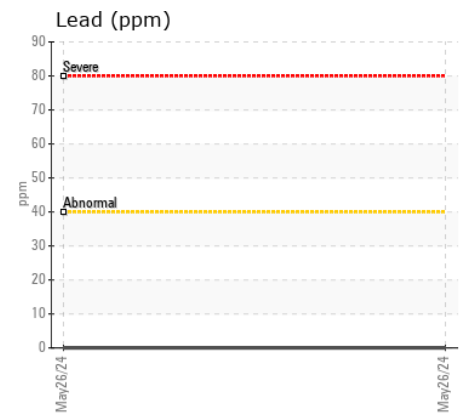
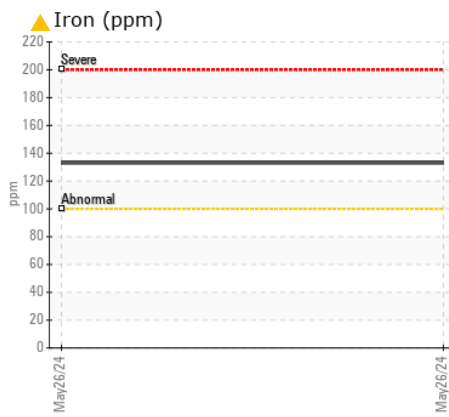
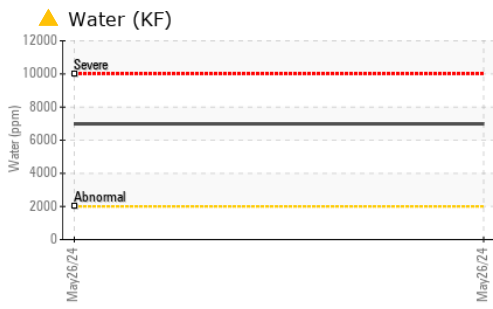
CONTAMINATION

There is a moderate concentration of water present in the oil. Test for glycol is negative.

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PP	---	---
Sample Date		Client Info		26 May 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
PQ		ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m)	>100	▲ 133	---	---
Chromium	ppm	ASTM D5185(m)	>20	4	---	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---	---
Titanium	ppm	ASTM D5185(m)		1	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	13	---	---
Lead	ppm	ASTM D5185(m)	>40	0	---	---
Copper	ppm	ASTM D5185(m)	>330	4	---	---
Tin	ppm	ASTM D5185(m)	>15	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)	>25	22	---	---
Potassium	ppm	ASTM D5185(m)	>20	7	---	---
Fuel		WC Method	>5	<1.0	---	---
Water	%	ASTM D6304*	>0.2	▲ 0.698	---	---
ppm Water	ppm	ASTM D6304*	>2000	▲ 6987	---	---
Glycol	%	ASTM D7922*		0.0	---	---
Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	17.8	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.9	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	▲ .2%	---	---
Sodium	ppm	ASTM D5185(m)		16	---	---
Boron	ppm	ASTM D5185(m)		29	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		76	---	---
Manganese	ppm	ASTM D5185(m)		3	---	---
Magnesium	ppm	ASTM D5185(m)		557	---	---
Calcium	ppm	ASTM D5185(m)		1218	---	---
Phosphorus	ppm	ASTM D5185(m)		689	---	---
Zinc	ppm	ASTM D5185(m)		1068	---	---
Sulfur	ppm	ASTM D5185(m)		2320	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	23.0	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		15.0	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PP **Received** : 27 May 2024
Lab Number : **02637613** **Tested** : 30 May 2024
Unique Number : 5786775 **Diagnosed** : 30 May 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: Glycol, KF, PQ, Visual)

WAKEFIELD CANADA INC.
 3620 LAKESHORE BLVD WEST
 TORONTO, ON
 CA M8W 1P2
 Contact: Tony Fallico
 tfallico@wakefieldcanada.ca
 T: (416)252-5511
 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.