



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
[5480]
 Machine Id
352150
 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. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP392988	---	---
Sample Date		Client Info		15 Apr 2024	---	---
Machine Age	hrs	Client Info		5936	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Chngd	---	---
Filter Changed		Client Info		Not Chngd	---	---
Sample Status				ABNORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	60	---	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---	---
Nickel	ppm	ASTM D5185(m)	>2	1	---	---
Titanium	ppm	ASTM D5185(m)		<1	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>25	8	---	---
Lead	ppm	ASTM D5185(m)	>40	7	---	---
Copper	ppm	ASTM D5185(m)	>330	46	---	---
Tin	ppm	ASTM D5185(m)	>15	3	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

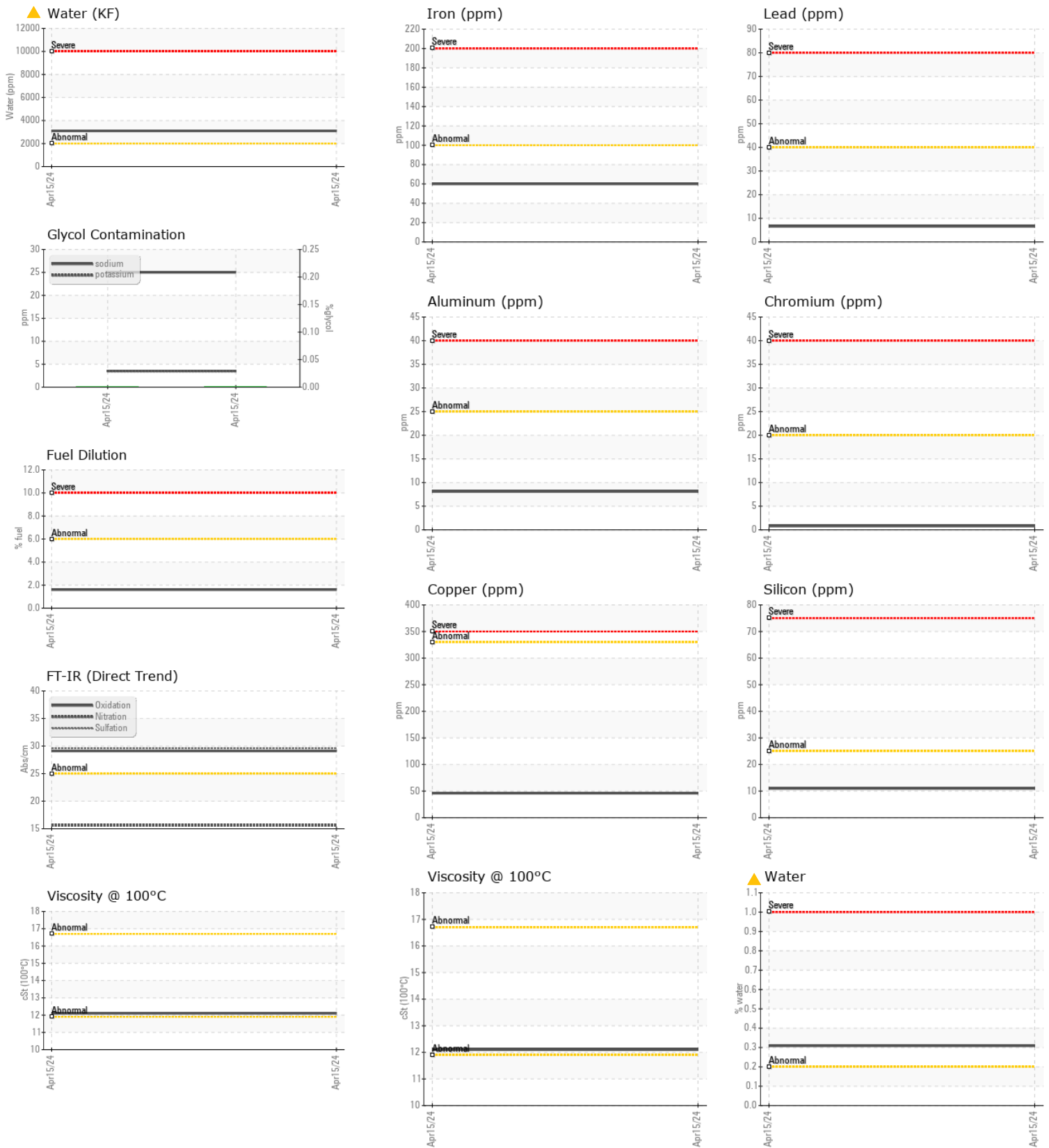
Light fuel dilution occurring. There is a light concentration of water present in the oil. Test for glycol is negative. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>25	11	---	---
Potassium	ppm	ASTM D5185(m)	>20	4	---	---
Fuel	%	ASTM D7593*	>6.0	1.6	---	---
Water	%	ASTM D6304*	>0.2	▲ 0.309	---	---
ppm Water	ppm	ASTM D6304*	>2000	▲ 3094	---	---
Glycol	%	ASTM D7922*		0.0	---	---
Soot %	%	ASTM D7844*	>3	0.5	---	---
Nitration	Abs/cm	ASTM D7624*	>20	15.6	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	29.6	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	.2%	---	---

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)		25	---	---
Boron	ppm	ASTM D5185(m)		8	---	---
Barium	ppm	ASTM D5185(m)		<1	---	---
Molybdenum	ppm	ASTM D5185(m)		80	---	---
Manganese	ppm	ASTM D5185(m)		4	---	---
Magnesium	ppm	ASTM D5185(m)		596	---	---
Calcium	ppm	ASTM D5185(m)		1385	---	---
Phosphorus	ppm	ASTM D5185(m)		802	---	---
Zinc	ppm	ASTM D5185(m)		1003	---	---
Sulfur	ppm	ASTM D5185(m)		2010	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	29.1	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		12.1	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP392988
Lab Number : 02630550
Unique Number : 5763682
Test Package : MOB 1 (Additional Tests: FuelDilution, Glycol, KF, PercentFuel, Visual)

GREAT WEST EQUIPMENT
 1600 KOSMINA ROAD, 123 L&A CROSS RD
 VERNON, BC
 CA V1T 8T2
 Contact: Sarah Lawrence
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 T: (866)627-2357
 F: (250)549-3397

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.