

**IDEALEASE****OIL ANALYSIS REPORT****WEAR**
CONTAMINATION
FLUID CONDITION**NORMAL**
NORMAL
ABNORMAL

Area

[1565]

Machine Id

WHITE 6145

Component

CUMMINS 5.9 Diesel Engine

Fluid

DIESEL ENGINE OIL SAE 15W40 (--- LTR)**RECOMMENDATION**

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number				IL0006591	---	---
Sample Date				04 Mar 2019	---	---
Machine Age	hrs			6500	---	---
Oil Age	hrs			109	---	---
Filter Age	hrs			109	---	---
Oil Changed				Not Changed	---	---
Filter Changed				Not Changed	---	---
Sample Status				ABNORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185	>90	25	---	---
Chromium	ppm	ASTM D5185	>20	2	---	---
Nickel	ppm	ASTM D5185	>2	<1	---	---
Titanium	ppm	ASTM D5185	>2	2	---	---
Silver	ppm	ASTM D5185	>2	0	---	---
Aluminum	ppm	ASTM D5185	>20	3	---	---
Lead	ppm	ASTM D5185	>40	3	---	---
Copper	ppm	ASTM D5185	>330	10	---	---
Tin	ppm	ASTM D5185	>15	0	---	---
Vanadium	ppm	ASTM D5185		<1	---	---

CONTAMINATION

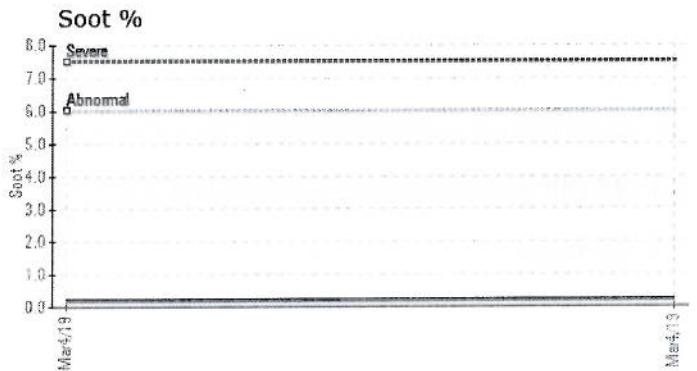
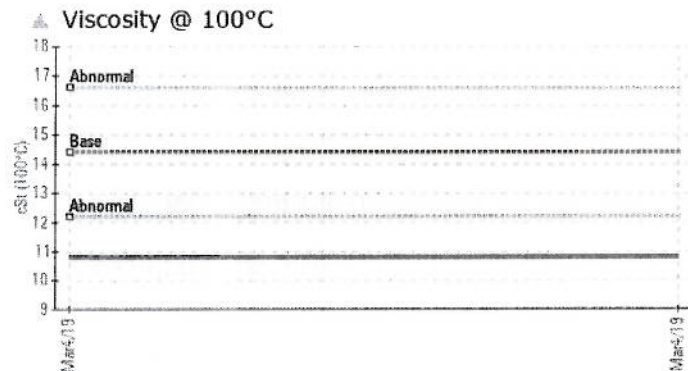
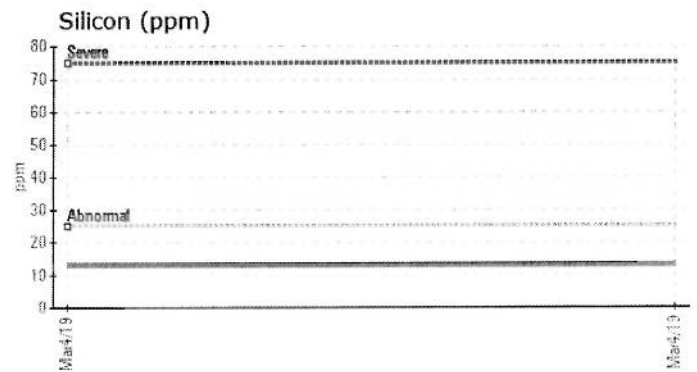
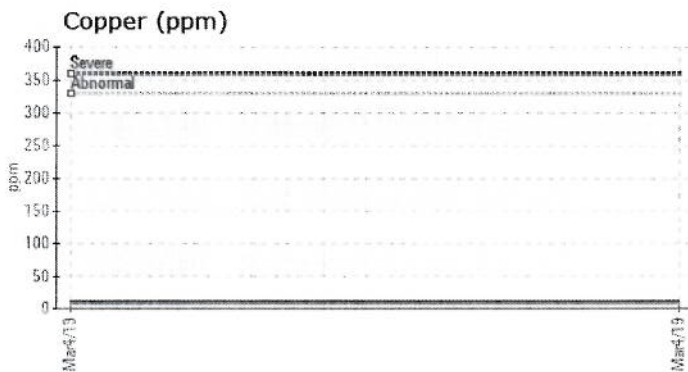
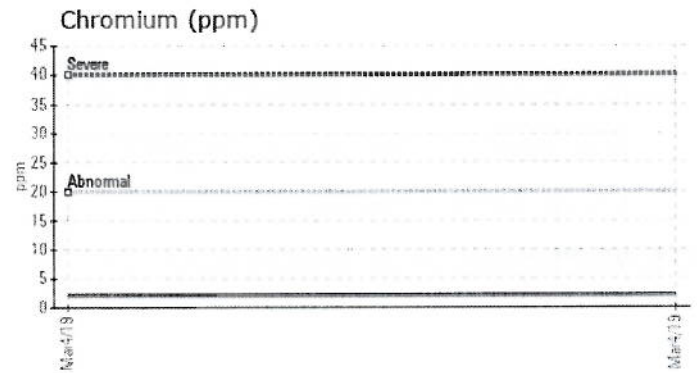
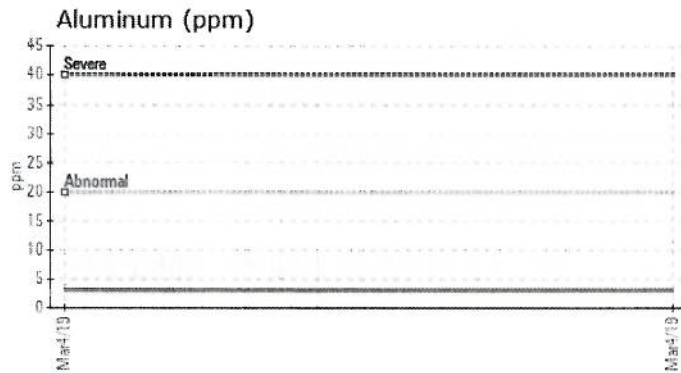
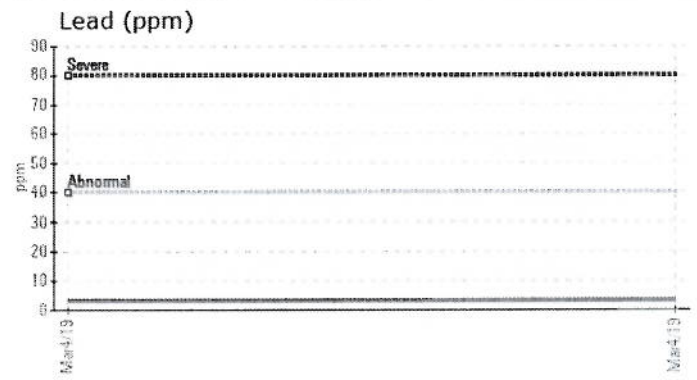
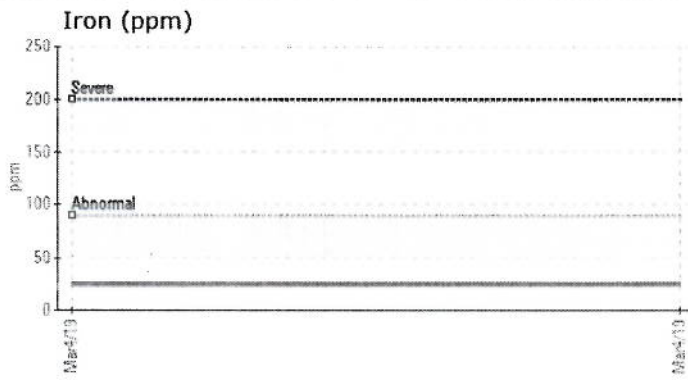
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185	>25	13	---	---
Potassium	ppm	ASTM D5185	>20	1	---	---
Fuel	%	ASTM D3524	>3.0	0.5	---	---
Glycol		ASTM D2982		NEG	---	---
Soot %	%	ASTM D7686	>6	0.2	---	---
Nitration	Abs/cm	ASTM D7624	>20	7.6	---	---
Sulfation	Abs/1mm	ASTM D7415	>30	23.0	---	---
Emulsified Water	scalar	Visual	>0.2	NEG	---	---

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.

Sodium	ppm	ASTM D5185	>158	3	---	---
Boron	ppm	ASTM D5185	250	107	---	---
Barium	ppm	ASTM D5185	10	<1	---	---
Molybdenum	ppm	ASTM D5185	100	84	---	---
Manganese	ppm	ASTM D5185		<1	---	---
Magnesium	ppm	ASTM D5185	450	282	---	---
Calcium	ppm	ASTM D5185	3000	2965	---	---
Phosphorus	ppm	ASTM D5185	1150	1049	---	---
Zinc	ppm	ASTM D5185	1350	1266	---	---
Sulfur	ppm	ASTM D5185	4250	3121	---	---
Oxidation	Abs/1mm	ASTM D7414	>25	14.0	---	---
Visc @ 100°C	cSt	ASTM D7279	14.4	10.8	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : IL0006591 **Received** : 12 Mar 2019
Lab Number : 02272564 **Diagnosed** : 13 Mar 2019
Unique Number : 4835800 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

To discuss diagnosis or test data, contact Technical Support at 1-800-268-2131.
 To change component or sample information, contact Customer Service at 1-800-268-2131.

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