MOB I LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ABNORMAL

Machine Id
FORD BLUE TRANSIT
Component
Gasoline Engine
Fluid
PHILLIPS 66 5W30 (--- LTR)

RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

CONTAMINATION

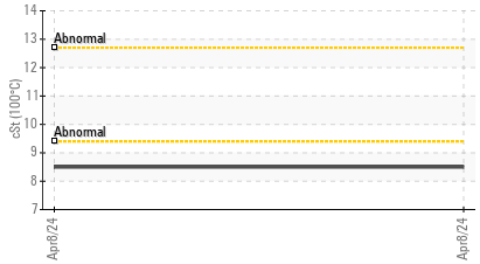
Light fuel dilution occurring. There is a moderate concentration of dirt present in the oil.

FLUID CONDITION

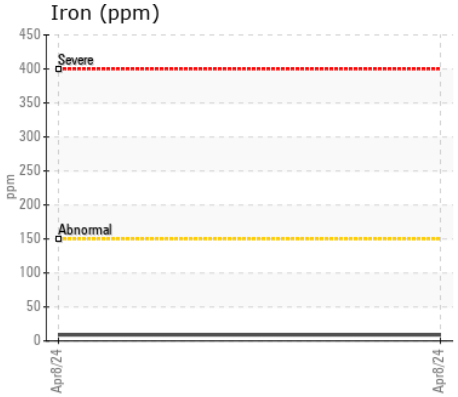
Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0073134	---	---
Sample Date		Client Info		08 Apr 2024	---	---
Machine Age	kms	Client Info		115000	---	---
Oil Age	kms	Client Info		8200	---	---
Filter Age	kms	Client Info		8200	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185(m)	>150	9	---	---
Chromium	ppm	ASTM D5185(m)	>20	0	---	---
Nickel	ppm	ASTM D5185(m)	>5	0	---	---
Titanium	ppm	ASTM D5185(m)		<1	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>40	2	---	---
Lead	ppm	ASTM D5185(m)	>50	0	---	---
Copper	ppm	ASTM D5185(m)	>155	2	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Silicon	ppm	ASTM D5185(m)	>30	▲ 64	---	---
Potassium	ppm	ASTM D5185(m)	>20	8	---	---
Fuel	%	ASTM D7593*	>4.0	▲ 3.8	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	11.9	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.5	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185(m)	>400	5	---	---
Boron	ppm	ASTM D5185(m)		41	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		65	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)		484	---	---
Calcium	ppm	ASTM D5185(m)		890	---	---
Phosphorus	ppm	ASTM D5185(m)		627	---	---
Zinc	ppm	ASTM D5185(m)		686	---	---
Sulfur	ppm	ASTM D5185(m)		2176	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.0	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		48.1	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		▲ 8.5	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		154	---	---

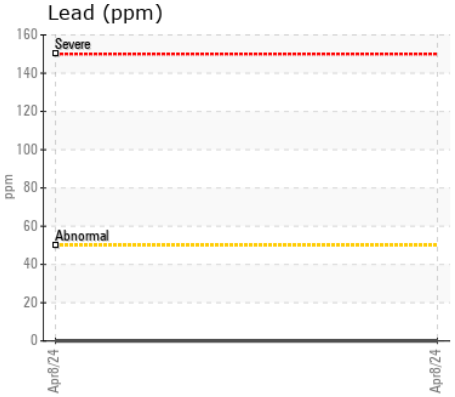
Viscosity @ 100°C



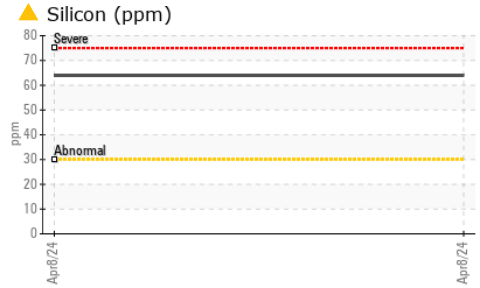
Iron (ppm)



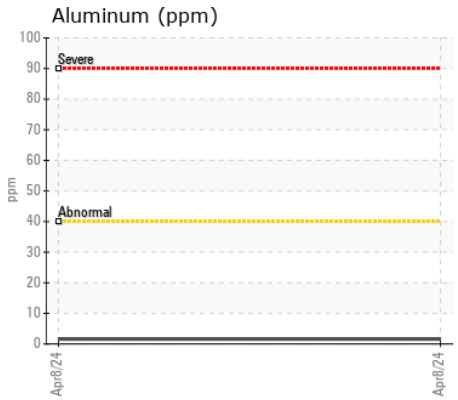
Lead (ppm)



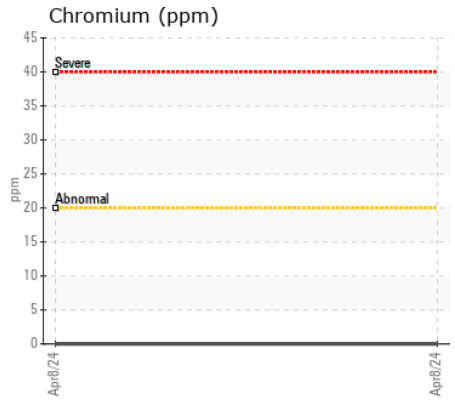
Silicon (ppm)



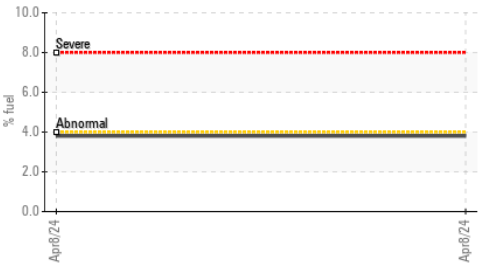
Aluminum (ppm)



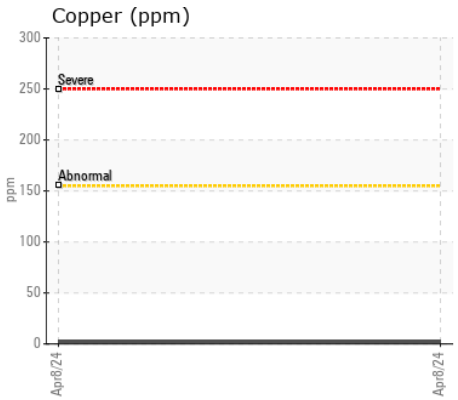
Chromium (ppm)



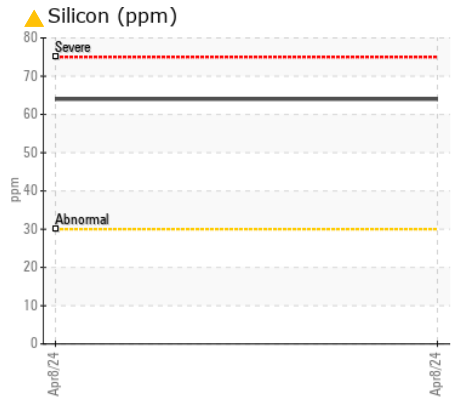
Fuel Dilution



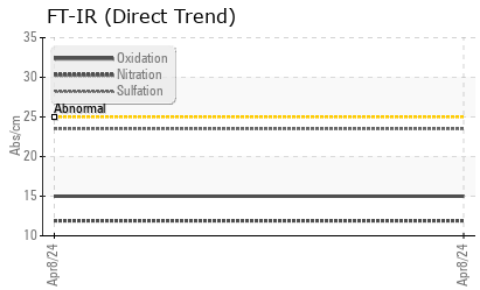
Copper (ppm)



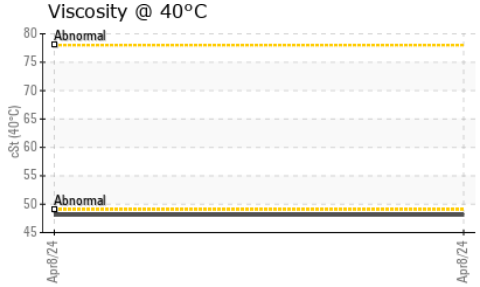
Silicon (ppm)



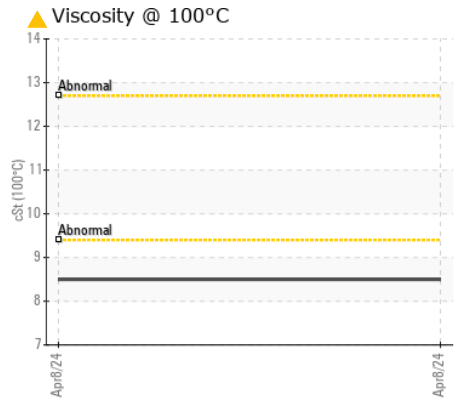
FT-IR (Direct Trend)



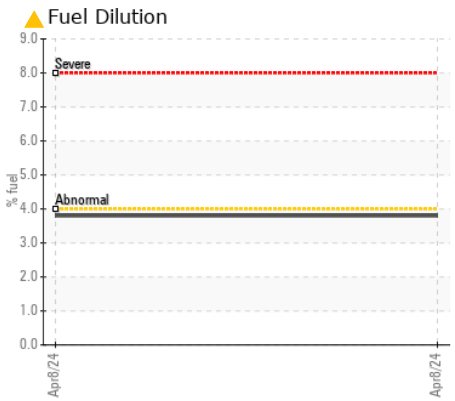
Viscosity @ 40°C



Viscosity @ 100°C



Fuel Dilution



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0073134 **Received** : 14 May 2024
Lab Number : 02635230 **Tested** : 15 May 2024
Unique Number : 5776383 **Diagnosed** : 15 May 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, KV40, PercentFuel, VI)

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.

MILTOW COLONY
BOX # 68
WARNER, AB
CA T0K 2L0
Contact: Joe Mecknick

T: (403)642-0004
F: (403)642-2001