MOB I

Dura-Check Fluid Analysis

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Machine Id
FORD 678-19
Component
Gasoline Engine
Fluid
{not provided} (5 QTS)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

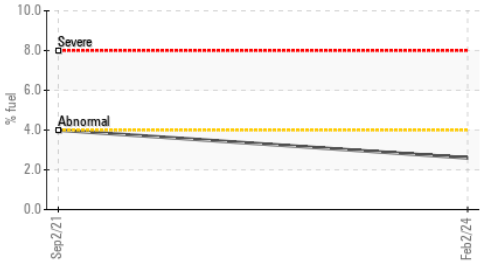
Light fuel dilution occurring. No other contaminants were detected in the oil.

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil.

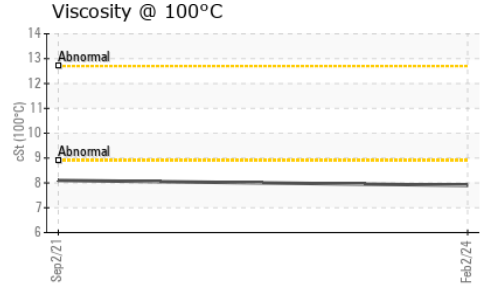
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0030594	DC0009645	---
Sample Date		Client Info		02 Feb 2024	02 Sep 2021	---
Machine Age	mls	Client Info		62321	47491	---
Oil Age	mls	Client Info		5000	0	---
Filter Age	mls	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				MARGINAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>150	10	10	---
Chromium	ppm	ASTM D5185m	>20	<1	<1	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>2	0	<1	---
Aluminum	ppm	ASTM D5185m	>40	3	2	---
Lead	ppm	ASTM D5185m	>50	0	<1	---
Copper	ppm	ASTM D5185m	>155	2	1	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>30	11	10	---
Potassium	ppm	ASTM D5185m	>20	<1	<1	---
Fuel	%	ASTM D3524	>4.0	▲ 2.6	▲ 4.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844		0	0	---
Nitration	Abs/cm	*ASTM D7624	>20	10.6	10.9	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	21.3	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---
Sodium	ppm	ASTM D5185m	>400	3	2	---
Boron	ppm	ASTM D5185m		85	92	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		67	75	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		522	474	---
Calcium	ppm	ASTM D5185m		1148	1217	---
Phosphorus	ppm	ASTM D5185m		675	675	---
Zinc	ppm	ASTM D5185m		784	730	---
Sulfur	ppm	ASTM D5185m		2828	2440	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.9	14.8	---
Base Number (BN)	mg KOH/g	ASTM D2896		4.8	---	---
Visc @ 100°C	cSt	ASTM D445		7.9	8.1	---

Fuel Dilution

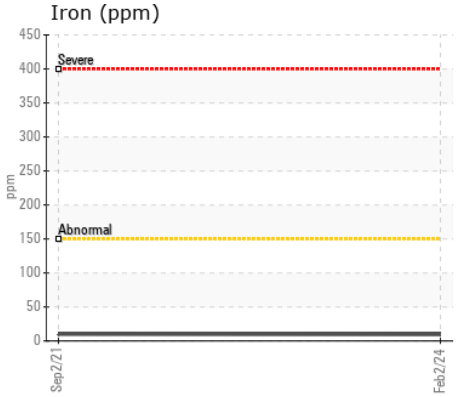


Base Number

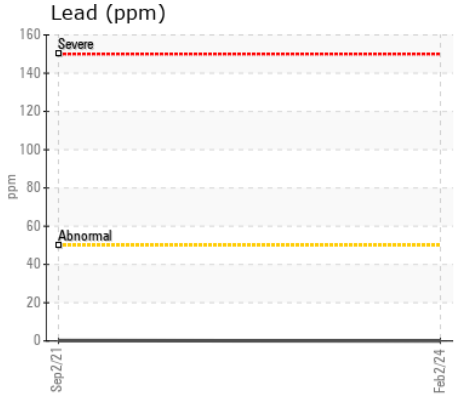
Viscosity @ 100°C



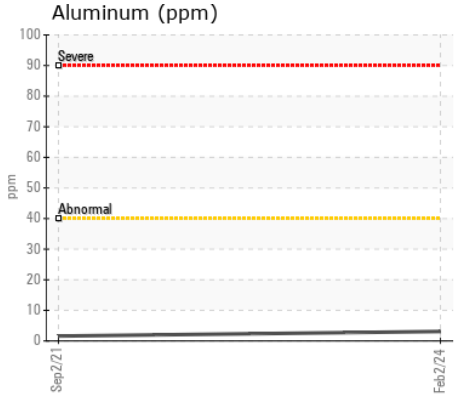
Iron (ppm)



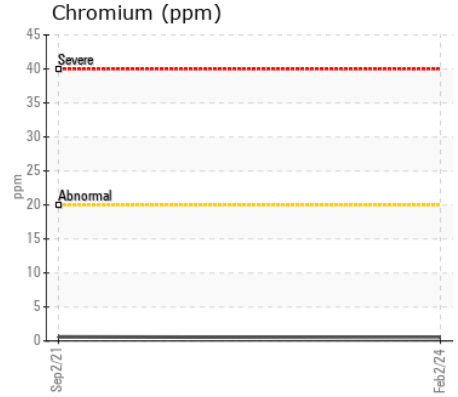
Lead (ppm)



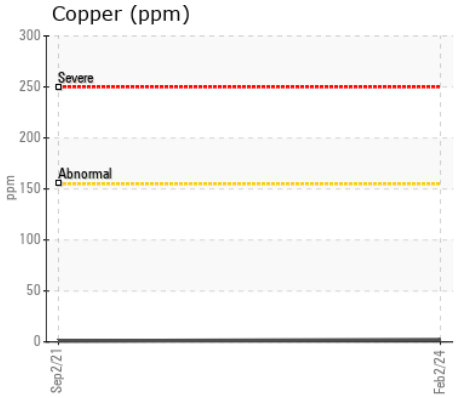
Aluminum (ppm)



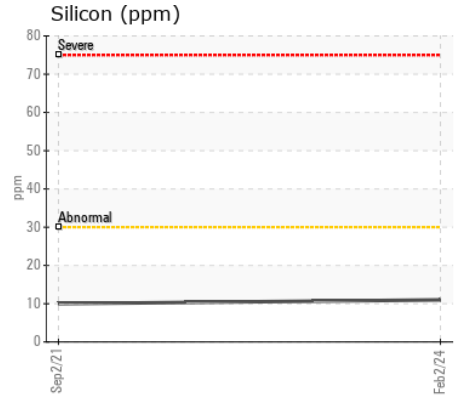
Chromium (ppm)



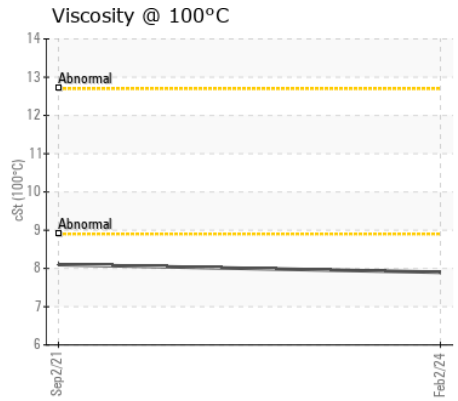
Copper (ppm)



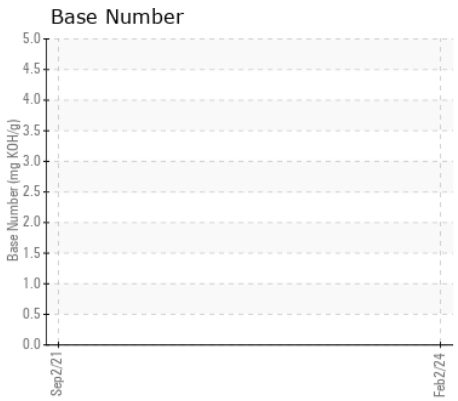
Silicon (ppm)



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0030594 **Received** : 14 Feb 2024
Lab Number : 06089390 **Tested** : 15 Feb 2024
Unique Number : 10876835 **Diagnosed** : 16 Feb 2024 - Don Baldridge
Test Package : MOB 1 (Additional Tests: PercentFuel, TBN)

To discuss this sample report, contact Customer Service at 1-800-237-1369.
** - Denotes test methods that are outside of the ISO 17025 scope of accreditation.*
Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

NEW DIRECTION UTILITIES
21616 KELSO DR
HAGERSTOWN, MD
US 21742
Contact: GARY BLOYER
gary@newdirectionutilities.com
T: (301)714-0083
F: