MOB II WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
FORD 202111
Component
Front Gasoline Engine
Fluid
AMSOIL XL7500 SYN MOTOR OIL 5W30 (XLF) (6 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

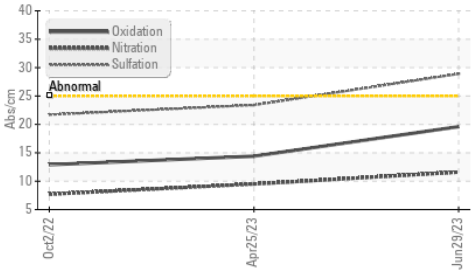
There is no indication of any contamination in the oil.

FLUID CONDITION

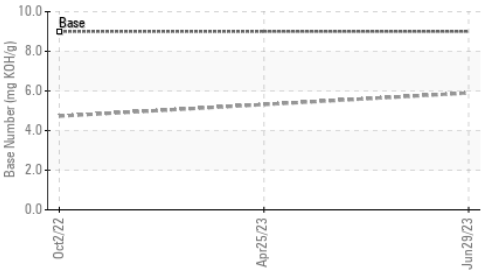
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0736406	WC0736404	WC833800
Sample Date		Client Info		29 Jun 2023	25 Apr 2023	02 Oct 2022
Machine Age	kms	Client Info		29695	24925	14890
Oil Age	kms	Client Info		10045	5275	4845
Filter Age	kms	Client Info		10045	5275	4845
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	MARGINAL	MARGINAL
Iron	ppm	ASTM D5185(m)	>150	6	3	2
Chromium	ppm	ASTM D5185(m)	>20	<1	0	0
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>40	2	2	3
Lead	ppm	ASTM D5185(m)	>50	0	0	0
Copper	ppm	ASTM D5185(m)	>155	2	1	2
Tin	ppm	ASTM D5185(m)	>10	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	<1
White Metal	scalar	Visual*	NONE	NONE	---	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	---	NONE
Silicon	ppm	ASTM D5185(m)	>30	13	12	14
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Fuel		WC Method	>4.0	<1.0	▲ 2.7	▲ 2.6
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	11.6	9.5	7.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	28.9	23.4	21.7
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	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)	>400	4	3	3
Boron	ppm	ASTM D5185(m)		68	124	60
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		63	64	66
Manganese	ppm	ASTM D5185(m)		17	17	3
Magnesium	ppm	ASTM D5185(m)		897	901	514
Calcium	ppm	ASTM D5185(m)		1120	1180	882
Phosphorus	ppm	ASTM D5185(m)		655	699	711
Zinc	ppm	ASTM D5185(m)		697	702	722
Sulfur	ppm	ASTM D5185(m)		2325	2435	1775
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.6	14.4	12.9
Base Number (BN)	mg KOH/g	ASTM D2896*	9.0	5.90	---	4.73
Visc @ 100°C	cSt	ASTM D7279(m)	10.5	9.4	9.4	9

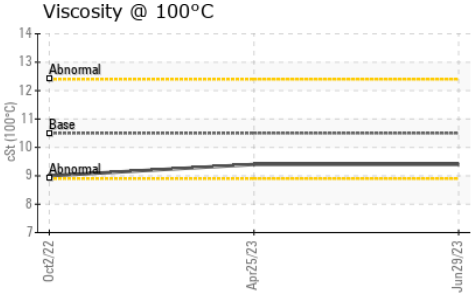
FT-IR (Direct Trend)



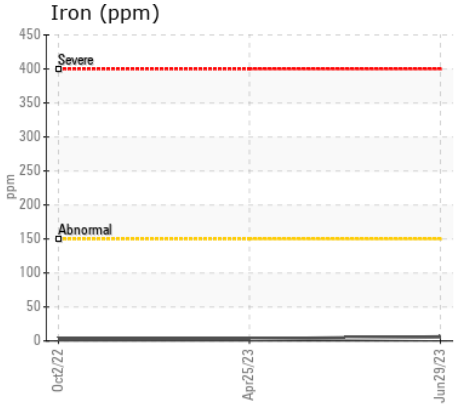
Base Number



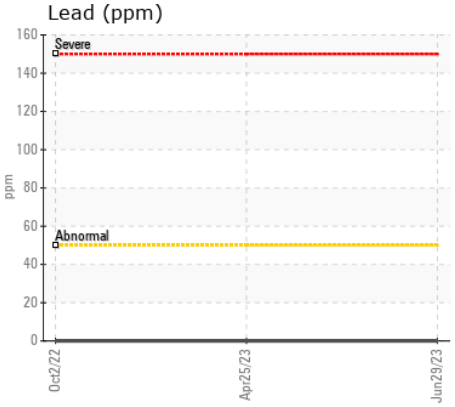
Viscosity @ 100°C



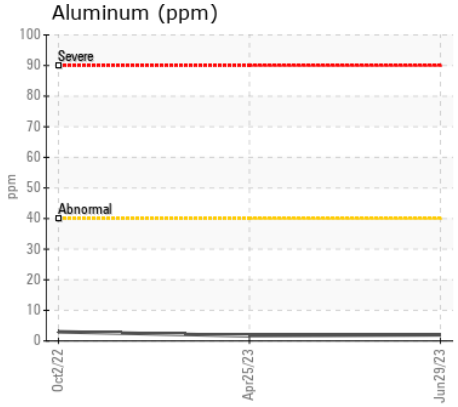
Iron (ppm)



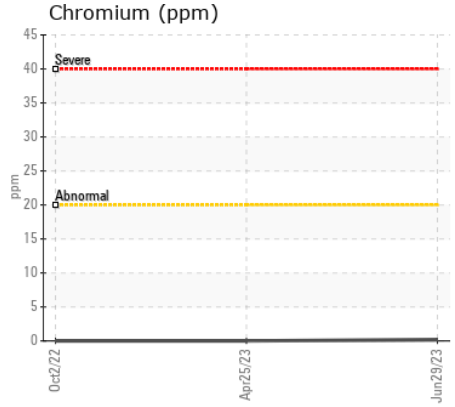
Lead (ppm)



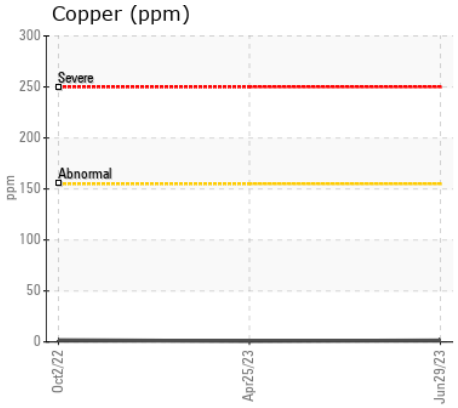
Aluminum (ppm)



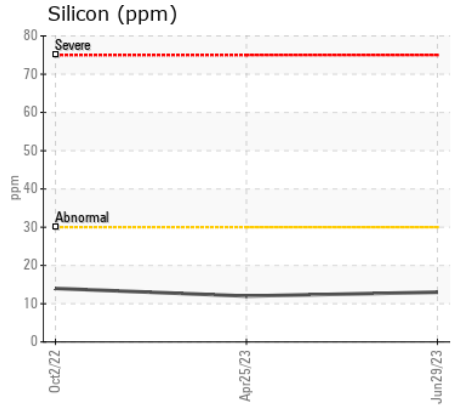
Chromium (ppm)



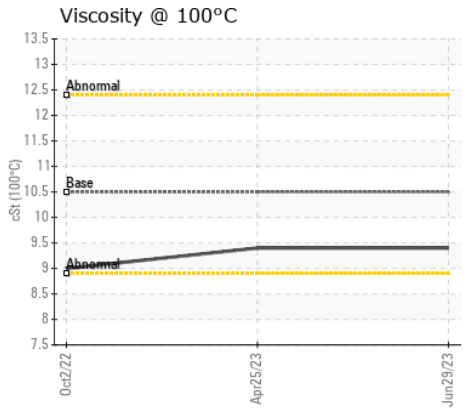
Copper (ppm)



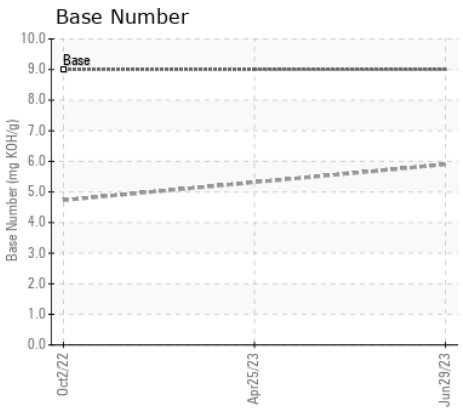
Silicon (ppm)



Viscosity @ 100°C



Base Number



CALA
ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: WC0736406	**Received**	: 10 Jul 2023
Lab Number	: 02568671	**Tested**	: 10 Jul 2023
Unique Number	: 5605717	**Diagnosed**	: 11 Jul 2023 - Kevin Marson
Test Package	: MOB 2		

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.

Triple L Synthetics
1125 Parkview Ave.
Windsor, ON
CA N8S 2X8
Contact: ROB LEBOEUF
tls02@mdirect.net
T: (226)350-0728
F: (519)728-4237