MOB II WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
FORD F350 F350
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 10W30 (16 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

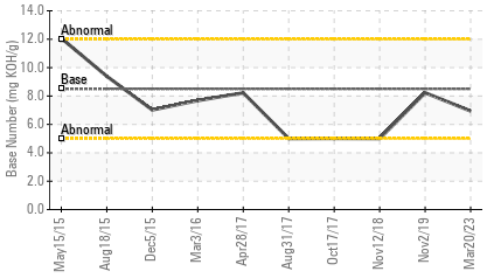
There is no indication of any contamination in the oil.

FLUID CONDITION

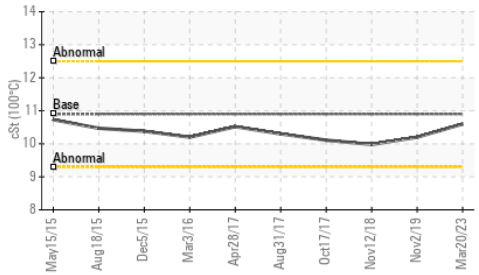
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RW0002242	RW0000175	RWM2306938
Sample Date		Client Info		20 Mar 2023	02 Nov 2019	12 Nov 2018
Machine Age	mls	Client Info		350190	303152	284747
Oil Age	mls	Client Info		15343	15000	20000
Filter Age	mls	Client Info		15343	15000	20000
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>150	37	21	34
Chromium	ppm	ASTM D5185m	>5	<1	<1	1
Nickel	ppm	ASTM D5185m	>5	1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>15	2	1	2
Lead	ppm	ASTM D5185m	>30	5	6	15
Copper	ppm	ASTM D5185m	>75	2	2	3
Tin	ppm	ASTM D5185m	>6	<1	2	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	5	3	7
Potassium	ppm	ASTM D5185m	>20	6	3	10
Fuel		WC Method	>2.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	11.1	9.7	10.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.2	20	23.3
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		7	2	5
Boron	ppm	ASTM D5185m	250	64	10	51
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	23	50	6
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m	450	374	824	685
Calcium	ppm	ASTM D5185m	3000	1802	1055	1443
Phosphorus	ppm	ASTM D5185m	1150	1078	905	713
Zinc	ppm	ASTM D5185m	1350	1250	982	814
Sulfur	ppm	ASTM D5185m	4250	3500	719	2569
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.5	17.4	21
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	6.94	8.23	5.00
Visc @ 100°C	cSt	ASTM D445	10.9	10.6	10.2	9.98

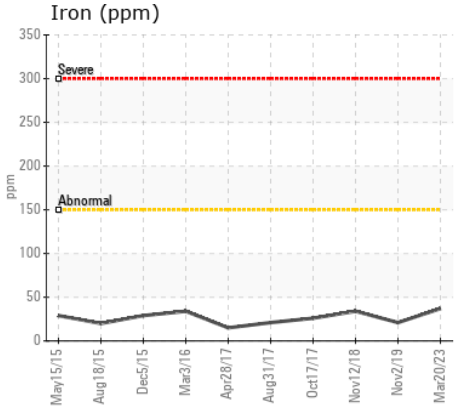
Base Number



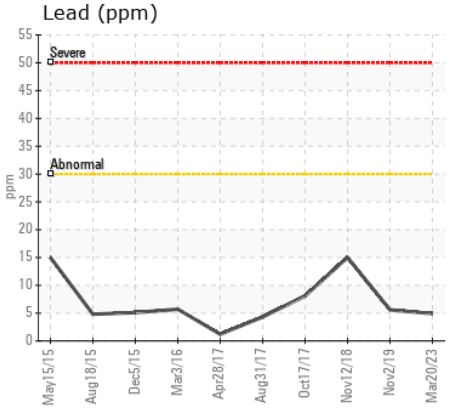
Viscosity @ 100°C



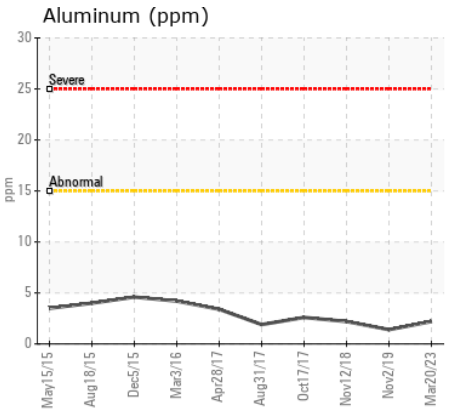
Iron (ppm)



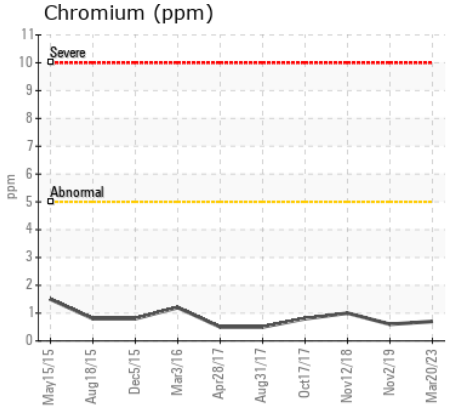
Lead (ppm)



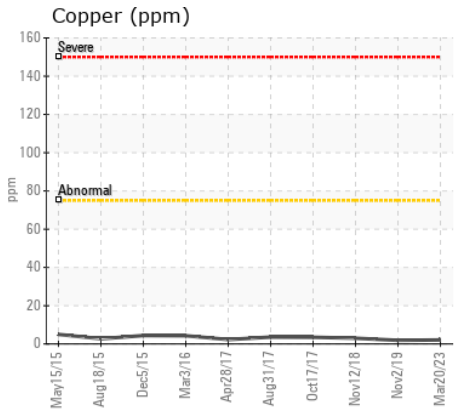
Aluminum (ppm)



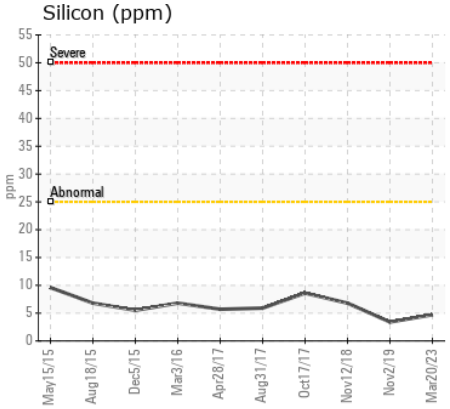
Chromium (ppm)



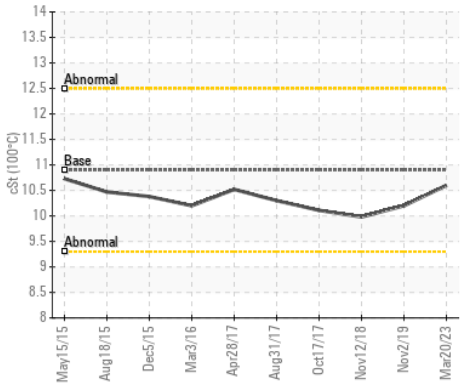
Copper (ppm)



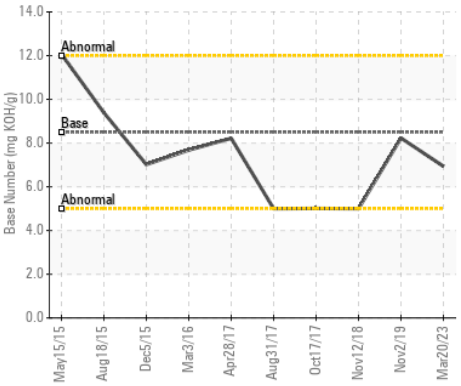
Silicon (ppm)



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RW0002242
Lab Number : 06048441
Unique Number : 10809049
Test Package : MOB 2

Received : 29 Dec 2023
Tested : 02 Jan 2024
Diagnosed : 02 Jan 2024 - Wes Davis

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)

BRIGGS FARMS
581 N TUTTLE RD
SCOTTVILLE, MI
US 49454
Contact: DAN BRIGGS
sdan27@hotmail.com
T: (231)690-9036
F: (231)757-0406