MOB II WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
FORD 667 - 36003
Component
Gasoline Engine
Fluid
GASOLINE ENGINE OIL SAE 5W20 (7 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

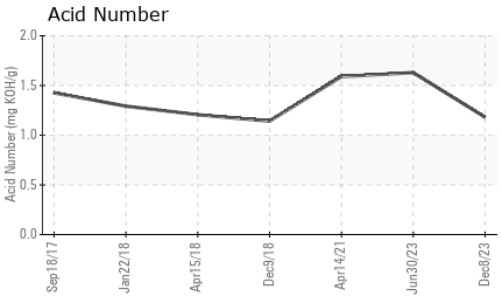
CONTAMINATION

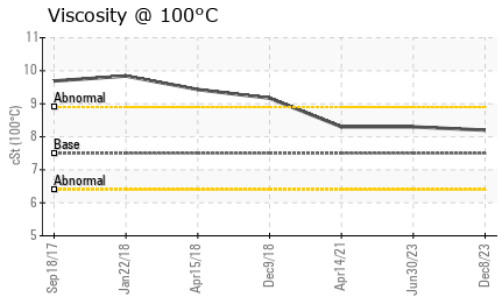
There is no indication of any contamination in the oil.

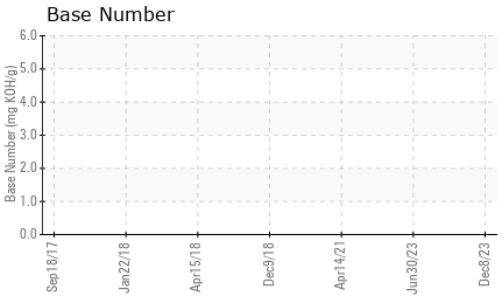
FLUID CONDITION

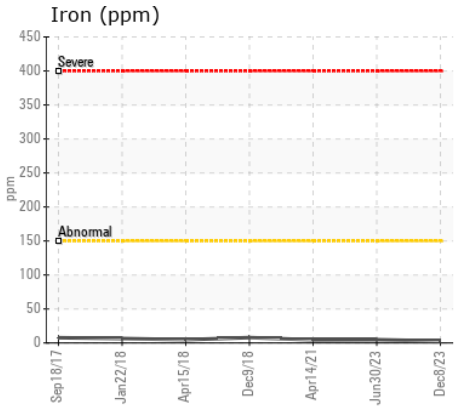
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

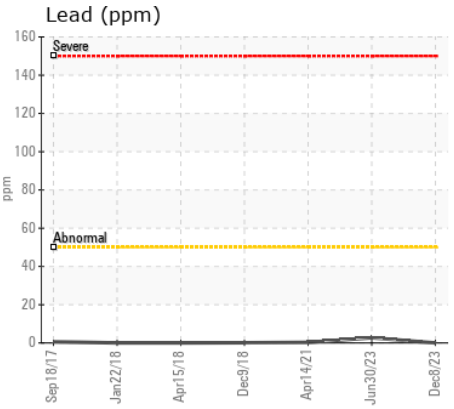
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RW0004799	RW0004287	RW0001759
Sample Date		Client Info		08 Dec 2023	30 Jun 2023	14 Apr 2021
Machine Age	mls	Client Info		79884	76160	61419
Oil Age	mls	Client Info		3778	4580	2290
Filter Age	mls	Client Info		3778	4580	2290
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>150	3	5	4
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>40	2	4	<1
Lead	ppm	ASTM D5185m	>50	0	3	<1
Copper	ppm	ASTM D5185m	>155	4	7	4
Tin	ppm	ASTM D5185m	>10	0	2	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>30	14	13	7
Potassium	ppm	ASTM D5185m	>20	2	5	<1
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844		0	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	9.3	10.0	8.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.0	22.3	17.7
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	>50	3	11	4
Boron	ppm	ASTM D5185m	75	31	46	69
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	100	77	69	46
Manganese	ppm	ASTM D5185m		<1	2	<1
Magnesium	ppm	ASTM D5185m	12	483	513	446
Calcium	ppm	ASTM D5185m	2100	1031	974	1160
Phosphorus	ppm	ASTM D5185m	650	684	687	626
Zinc	ppm	ASTM D5185m	850	792	799	736
Sulfur	ppm	ASTM D5185m	2500	2241	3295	2330
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.0	14.7	10.5
Acid Number (AN)	mg KOH/g	ASTM D8045		1.18	1.63	1.59
Base Number (BN)	mg KOH/g	ASTM D2896		---	---	5.97
Visc @ 100°C	cSt	ASTM D445	7.5	8.2	8.3	8.3

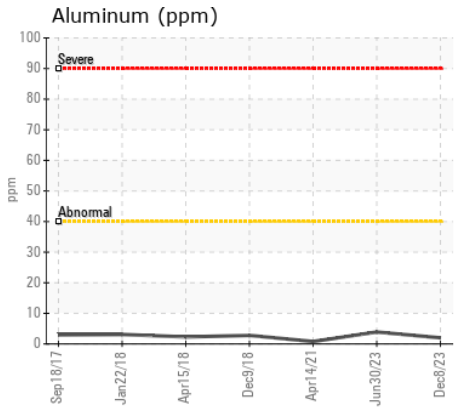


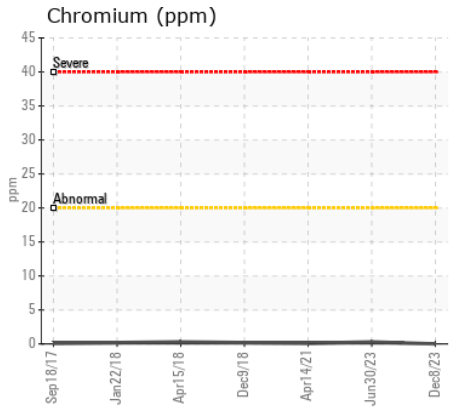


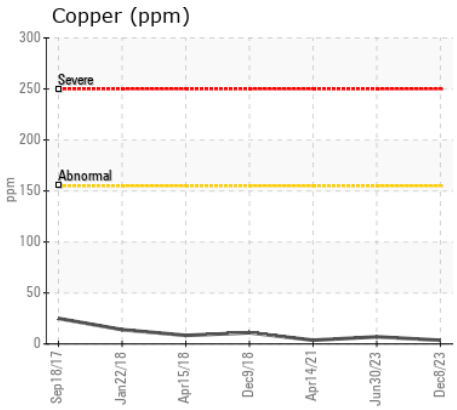


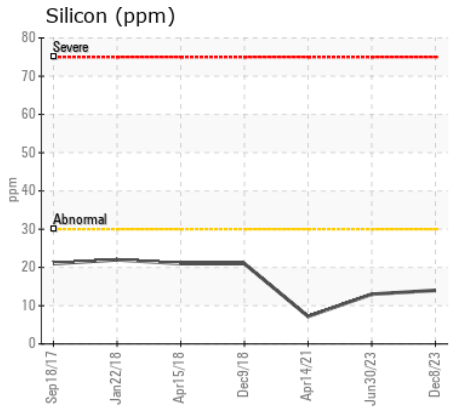


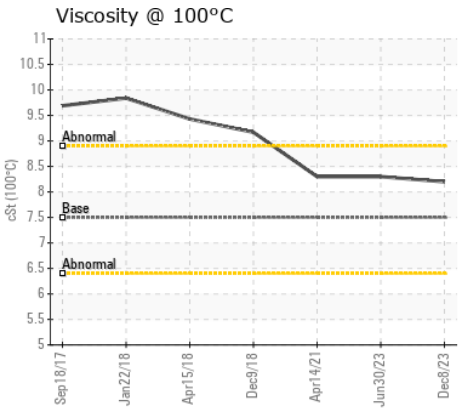


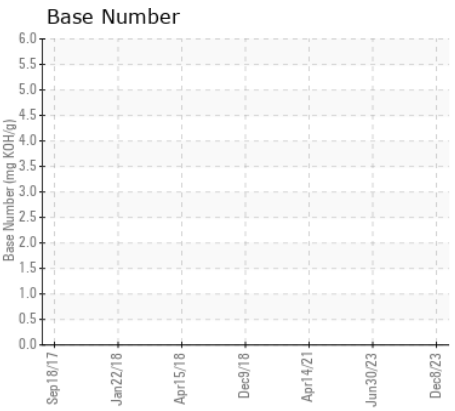












Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RW0004799 **Recieved** : 10 Jan 2024
Lab Number : 06057436 **Diagnosed** : 12 Jan 2024
Unique Number : 10823385 **Diagnostician** : Sean Felton
Test Package : MOB 2 (Additional Tests: 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)

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