MOB II WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
FORD 203
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 32 (20 GAL)

RECOMMENDATION

The 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.

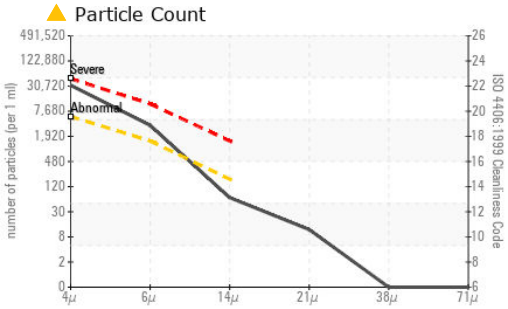
CONTAMINATION

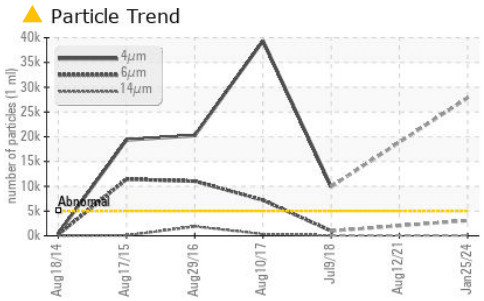
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

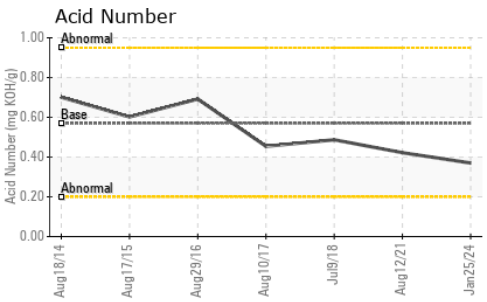
FLUID CONDITION

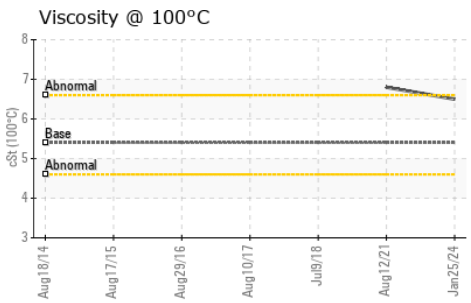
The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

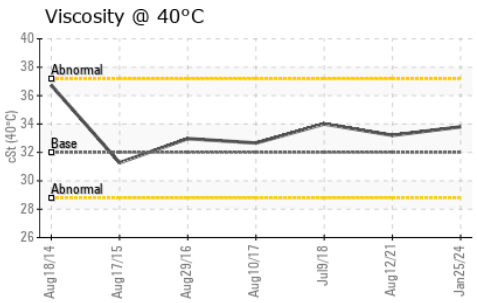
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0833690	WC0558777	WCM2293015
Sample Date		Client Info		25 Jan 2024	12 Aug 2021	09 Jul 2018
Machine Age	yrs	Client Info		12	19	6
Oil Age	yrs	Client Info		0	0	6
Filter Age	yrs	Client Info		1	1	1
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185m	>20	13	12	7
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	1	<1
Lead	ppm	ASTM D5185m	>10	<1	2	<1
Copper	ppm	ASTM D5185m	>75	1	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	3	5	5
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 27862	---	9930
Particles >6µm		ASTM D7647	>1300	▲ 3074	---	981
Particles >14µm		ASTM D7647	>160	58	---	64
Particles >21µm		ASTM D7647	>40	10	---	16
Particles >38µm		ASTM D7647	>10	0	---	0
Particles >71µm		ASTM D7647	>3	0	---	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 22/19/13	---	20/17/13
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	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	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		2	2	1
Boron	ppm	ASTM D5185m	5	0	<1	<1
Barium	ppm	ASTM D5185m	5	0	0	<1
Molybdenum	ppm	ASTM D5185m	5	0	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	25	2	2	2
Calcium	ppm	ASTM D5185m	200	79	94	88
Phosphorus	ppm	ASTM D5185m	300	353	368	349
Zinc	ppm	ASTM D5185m	370	377	392	353
Sulfur	ppm	ASTM D5185m	2500	1797	1658	2680
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.37	0.422	0.487
Visc @ 40°C	cSt	ASTM D445	32	33.8	33.2	34.00
Visc @ 100°C	cSt	ASTM D445	5.4	6.5	6.8	---
Viscosity Index (VI)	Scale	ASTM D2270	102	149	169	---

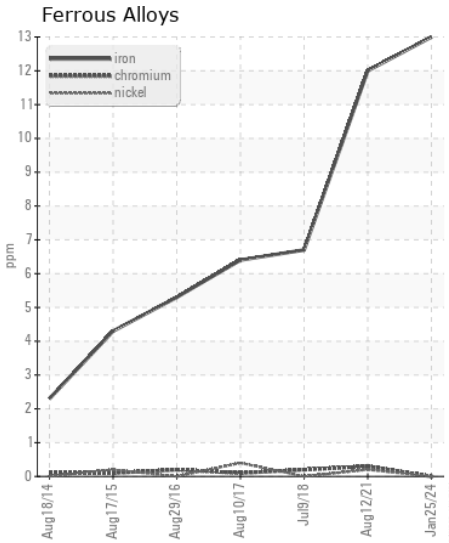


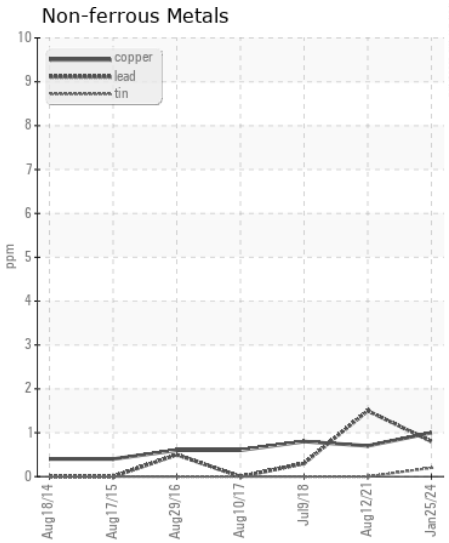


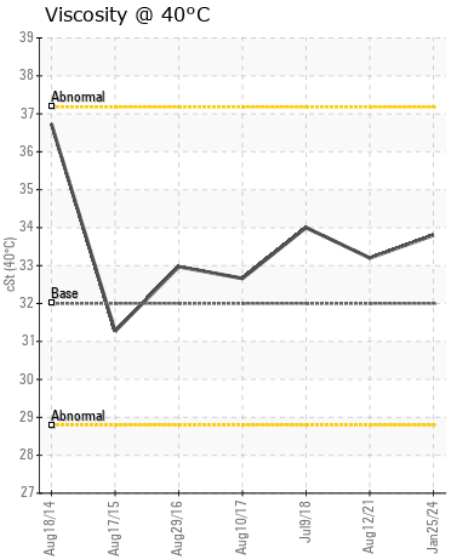


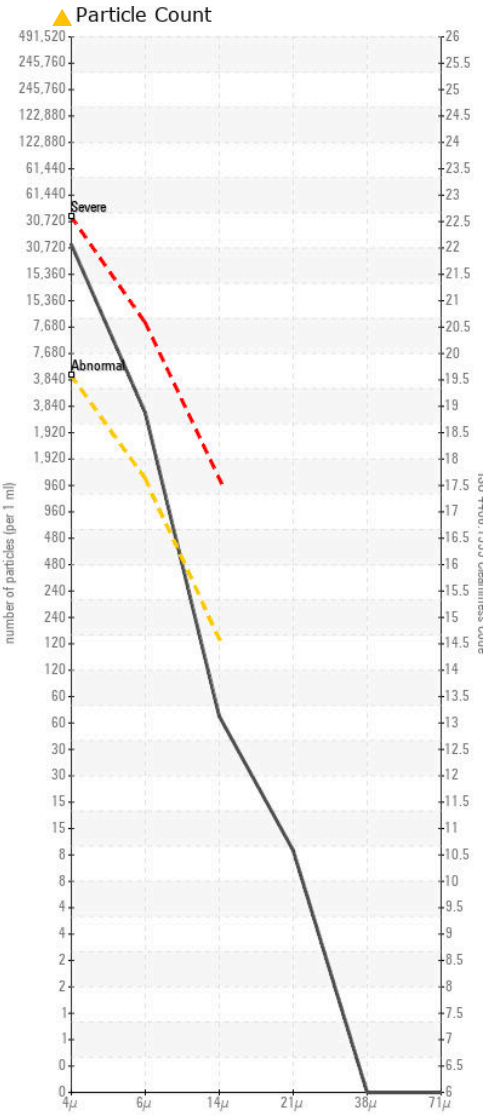


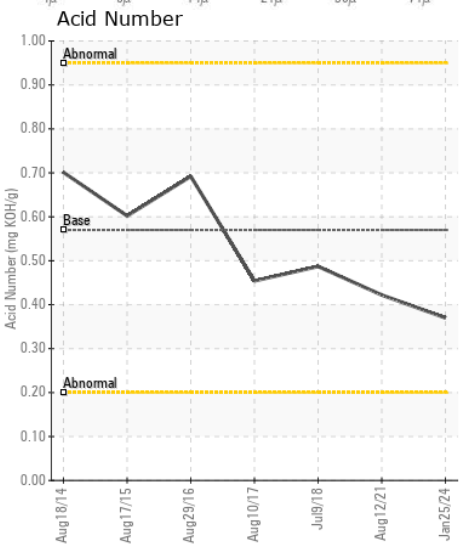












Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0833690 **Received** : 23 Feb 2024
Lab Number : 06099127 **Tested** : 26 Feb 2024
Unique Number : 10897357 **Diagnosed** : 26 Feb 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: KV100, VI)

Certificate L2367

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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