OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
{UNASSIGNED}
Machine Id
FORD C98825
Component
Gasoline Engine
Fluid
MOBIL (8 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

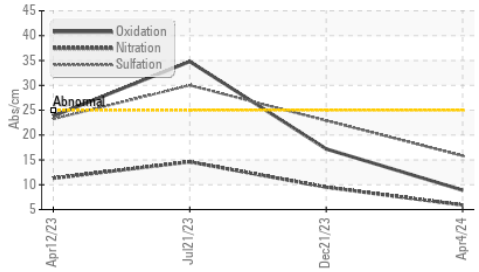
There is no indication of any contamination in the oil.

FLUID CONDITION

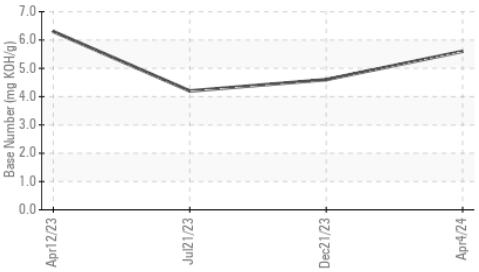
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0019364	RPL0016853	RPL0013415
Sample Date		Client Info		04 Apr 2024	21 Dec 2023	21 Jul 2023
Machine Age	mls	Client Info		95056	90451	83652
Oil Age	mls	Client Info		90451	3529	83652
Filter Age	mls	Client Info		0	3529	83652
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>150	7	9	29
Chromium	ppm	ASTM D5185m	>20	1	<1	1
Nickel	ppm	ASTM D5185m	>5	1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>40	2	2	<1
Lead	ppm	ASTM D5185m	>50	1	0	0
Copper	ppm	ASTM D5185m	>155	10	29	54
Tin	ppm	ASTM D5185m	>10	2	3	5
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	>30	8	8	8
Potassium	ppm	ASTM D5185m	>20	1	0	2
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	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.9	9.5	14.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	15.8	22.9	30.0
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	>400	2	2	6
Boron	ppm	ASTM D5185m		152	34	29
Barium	ppm	ASTM D5185m		0	0	2
Molybdenum	ppm	ASTM D5185m		72	68	44
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		490	567	521
Calcium	ppm	ASTM D5185m		955	1037	1660
Phosphorus	ppm	ASTM D5185m		658	730	721
Zinc	ppm	ASTM D5185m		730	834	946
Sulfur	ppm	ASTM D5185m		2754	2647	2456
Oxidation	Abs/.1mm	*ASTM D7414	>25	8.9	17.2	34.8
Base Number (BN)	mg KOH/g	ASTM D2896		5.6	4.6	4.2
Visc @ 100°C	cSt	ASTM D445		9.9	10.1	14.4

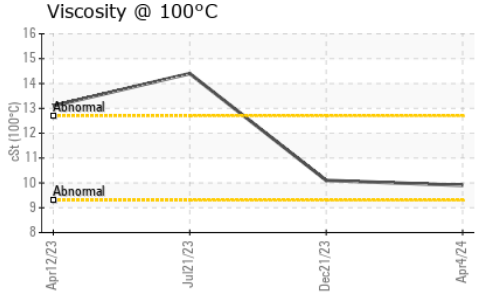
FT-IR (Direct Trend)



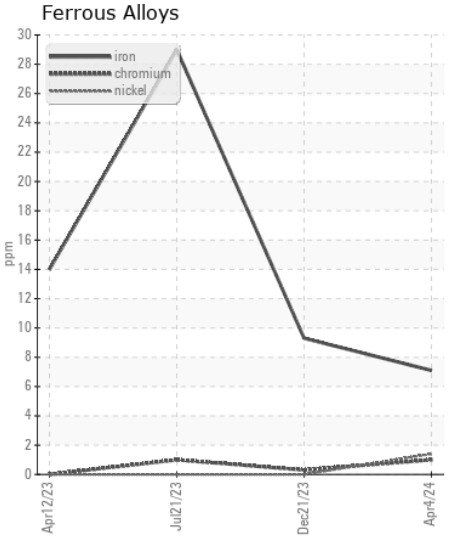
Base Number



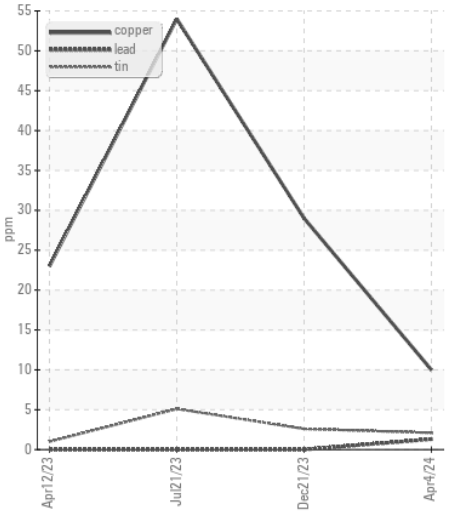
Viscosity @ 100°C



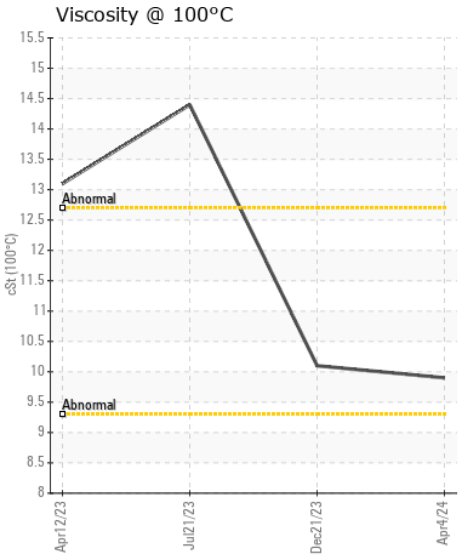
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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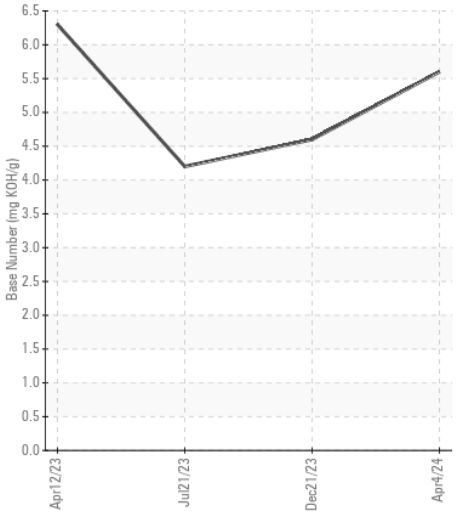

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0019364
Lab Number : 06152912
Unique Number : 10982990
Test Package : FLEET

Received : 18 Apr 2024
Tested : 19 Apr 2024
Diagnosed : 19 Apr 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)

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