OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
FORD 846-4014
Component
Gasoline Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- Shots)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

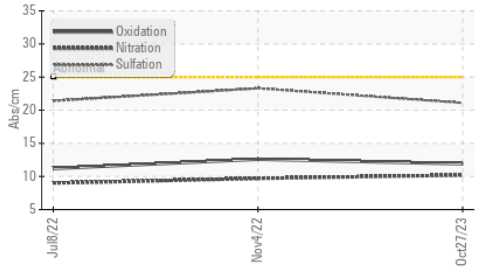
There is no indication of any contamination in the oil.

FLUID CONDITION

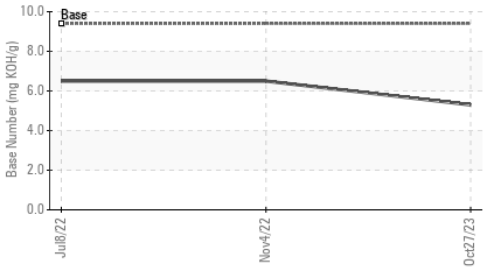
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0019455	RPL0007452	RPL0004019
Sample Date		Client Info		27 Oct 2023	04 Nov 2022	08 Jul 2022
Machine Age	mls	Client Info		37147	33765	32968
Oil Age	mls	Client Info		3382	2881	2084
Filter Age	mls	Client Info		3382	2881	2084
Oil Changed		Client Info		Changed	Changed	Filtered
Filter Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>150	15	15	13
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	1	<1
Titanium	ppm	ASTM D5185m		4	30	29
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>40	1	<1	2
Lead	ppm	ASTM D5185m	>50	0	0	<1
Copper	ppm	ASTM D5185m	>155	4	2	2
Tin	ppm	ASTM D5185m	>10	<1	0	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	7	5	7
Potassium	ppm	ASTM D5185m	>20	2	4	4
Fuel	%	ASTM D3524	>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	0.1
Nitration	Abs/cm	*ASTM D7624	>20	10.2	9.7	9.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.1	23.3	21.4
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	57	316	321
Boron	ppm	ASTM D5185m	0	16	4	5
Barium	ppm	ASTM D5185m	0	2	0	0
Molybdenum	ppm	ASTM D5185m	0	61	8	7
Manganese	ppm	ASTM D5185m		2	<1	<1
Magnesium	ppm	ASTM D5185m	0	374	35	41
Calcium	ppm	ASTM D5185m		1123	1535	1537
Phosphorus	ppm	ASTM D5185m		655	599	642
Zinc	ppm	ASTM D5185m		750	732	777
Sulfur	ppm	ASTM D5185m		2384	3276	3260
Oxidation	Abs/.1mm	*ASTM D7414	>25	11.9	12.6	11.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	5.3	6.5	6.5
Visc @ 100°C	cSt	ASTM D445	14	8.8	8.8	8.9

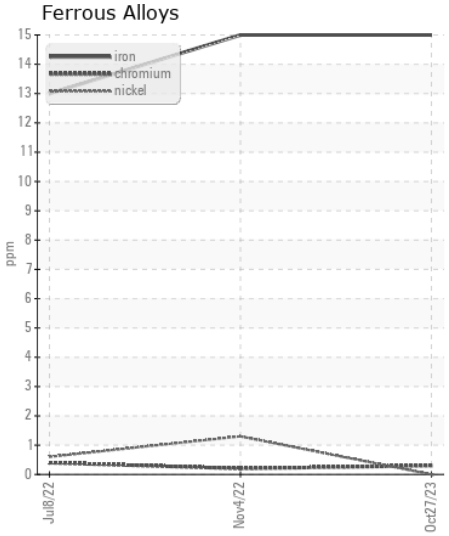
FT-IR (Direct Trend)



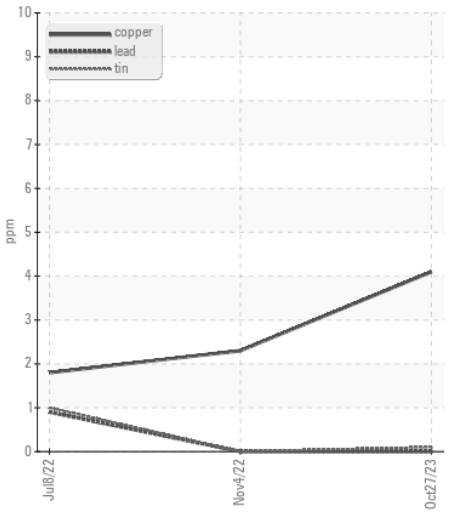
Base Number



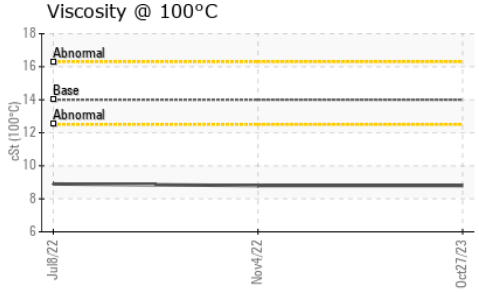
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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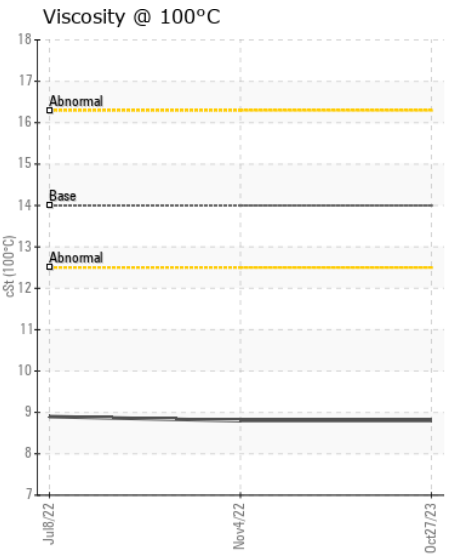

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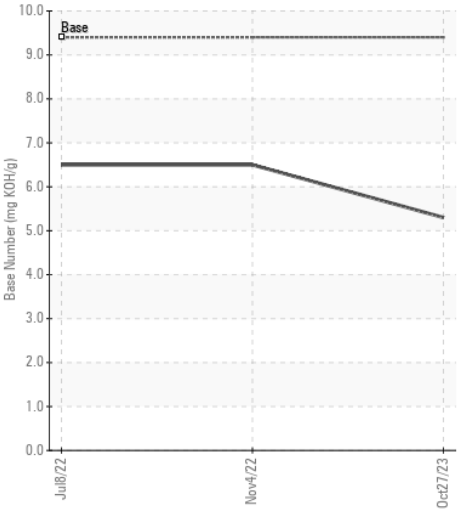

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0019455
Lab Number : 06155693
Unique Number : 10991116
Test Package : FLEET (Additional Tests: FuelDilution)

Received : 22 Apr 2024
Tested : 24 Apr 2024
Diagnosed : 24 Apr 2024 - Jonathan Hester

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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