



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
INTERNATIONAL 441292
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER 15W40 (44 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: Hours=10,162)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL0033867	IL0030432	IL0024215
Sample Date		Client Info		19 Jun 2024	30 Jun 2023	10 Mar 2022
Machine Age	mls	Client Info		381711	334800	253450
Oil Age	mls	Client Info		268074	302513	32287
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>90	44	32	14
Chromium	ppm	ASTM D5185m	>20	1	2	2
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	5	5	5
Lead	ppm	ASTM D5185m	>40	4	12	5
Copper	ppm	ASTM D5185m	>330	3	4	<1
Tin	ppm	ASTM D5185m	>15	0	1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

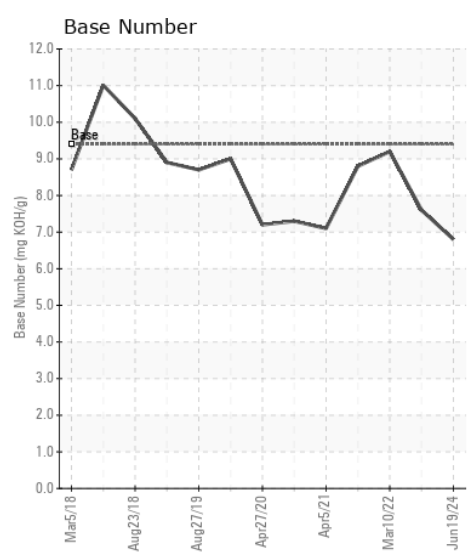
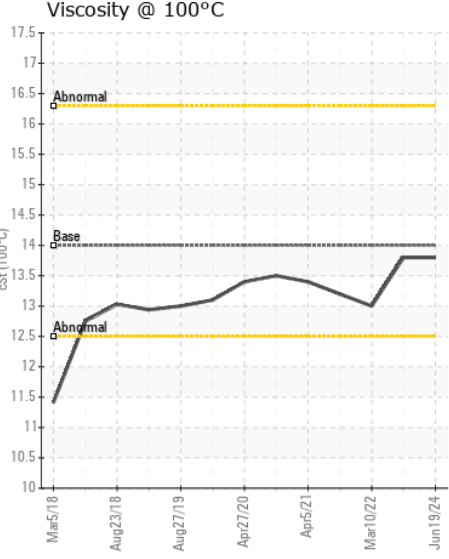
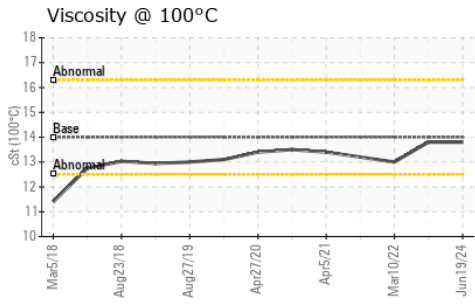
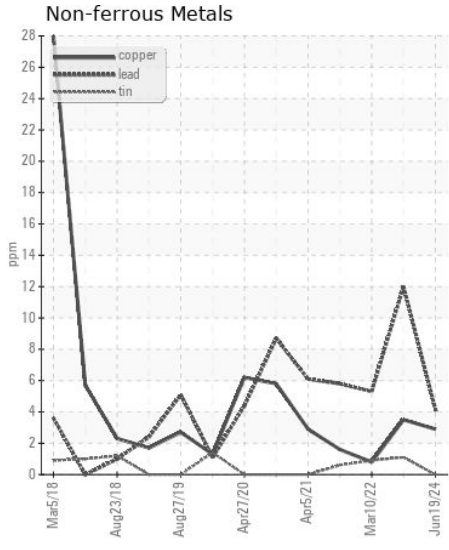
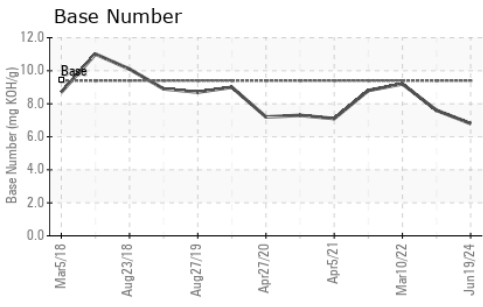
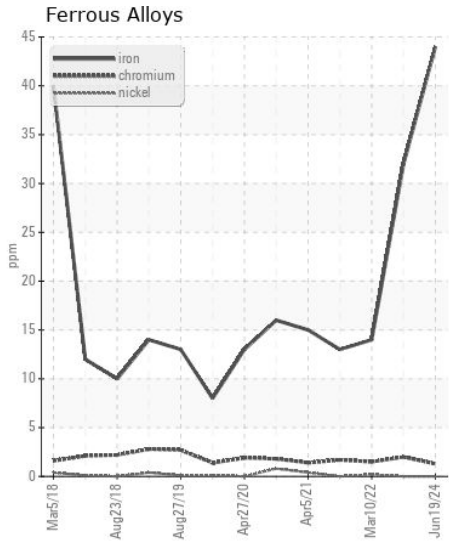
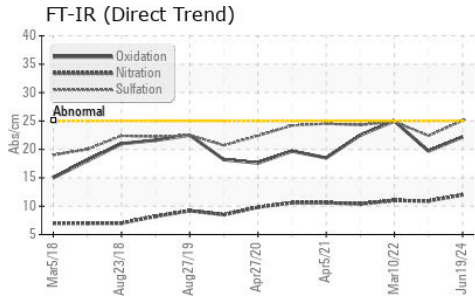
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	7	9	6
Potassium	ppm	ASTM D5185m	>20	11	10	7
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>6	0.9	0.6	0.6
Nitration	Abs/cm	*ASTM D7624	>20	12.0	10.9	11.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.1	22.4	24.9
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

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.

Sodium	ppm	ASTM D5185m		2	2	2
Boron	ppm	ASTM D5185m	0	2	2	24
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	65	63	37
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	0	1019	1023	518
Calcium	ppm	ASTM D5185m		1215	1312	1735
Phosphorus	ppm	ASTM D5185m		1093	1035	689
Zinc	ppm	ASTM D5185m		1354	1329	838
Sulfur	ppm	ASTM D5185m		3239	3318	1906
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.2	19.7	25.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	6.8	7.6	9.2
Visc @ 100°C	cSt	ASTM D445	14	13.8	13.8	13.0



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IL0033867
Lab Number : 06235400
Unique Number : 11124234
Test Package : FLEET
Received : 15 Jul 2024
Tested : 15 Jul 2024
Diagnosed : 15 Jul 2024 - Don Baldridge

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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)