



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id  
**IH 333**  
 Component  
**Diesel Engine**  
 Fluid  
**SERVICE PRO 15W40 SYN BLEND (--- GAL)**

## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

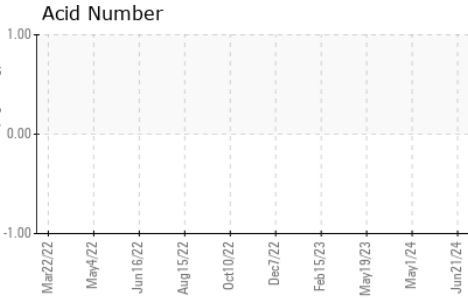
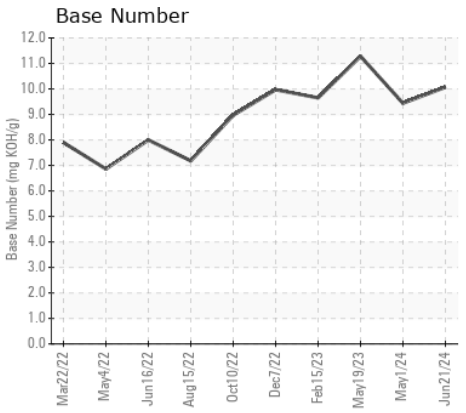
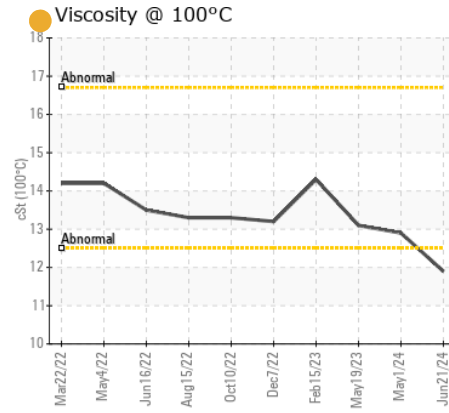
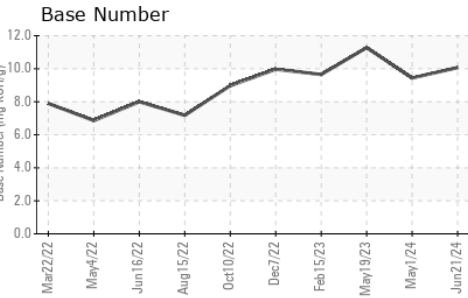
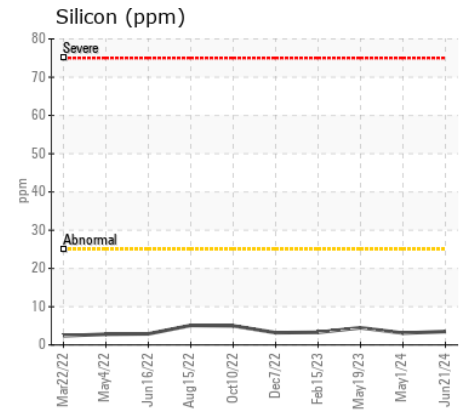
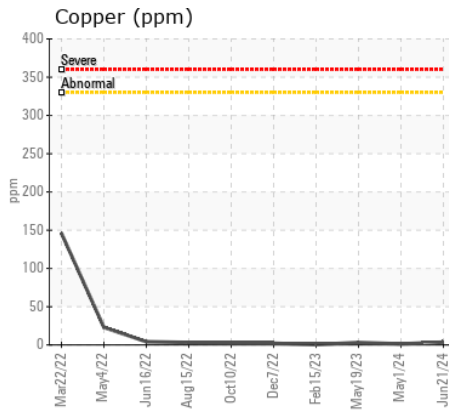
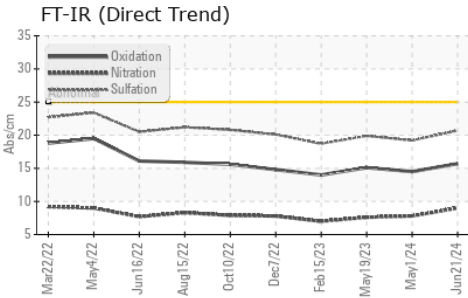
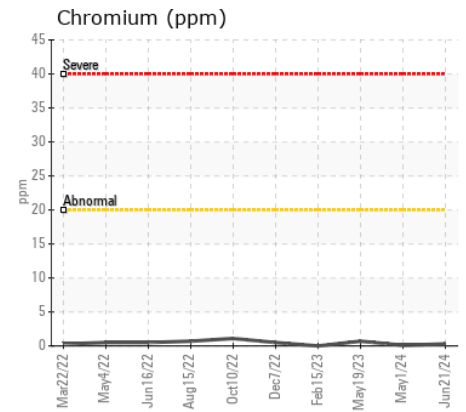
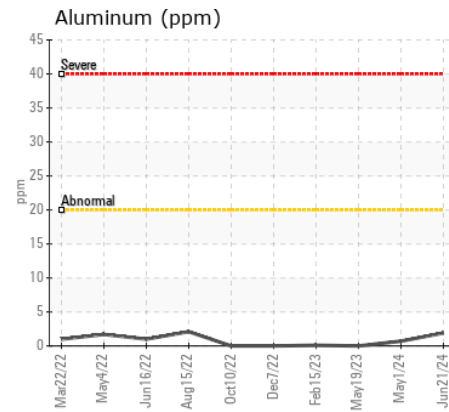
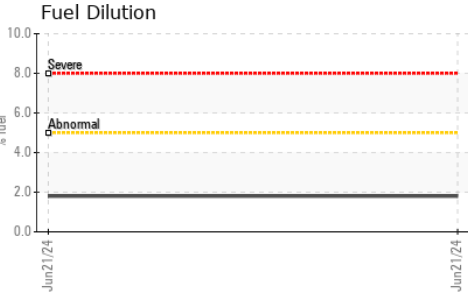
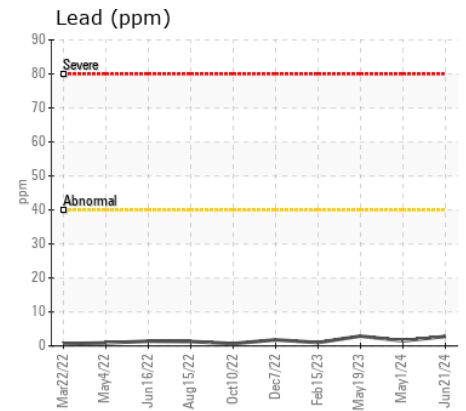
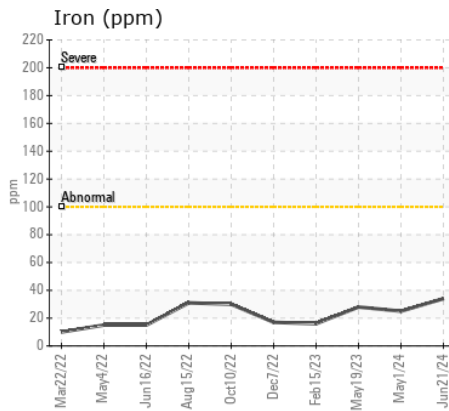
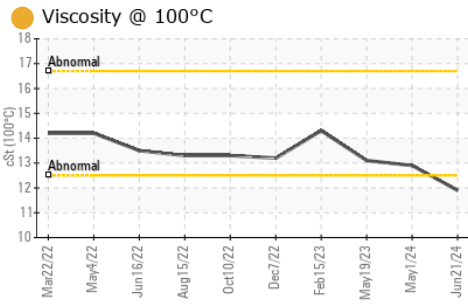
## CONTAMINATION

Fuel content negligible. There is no indication of any contamination in the oil.

## FLUID CONDITION

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RW0005398</b>	RW0005401	RW0004234
Sample Date		Client Info		<b>21 Jun 2024</b>	01 May 2024	19 May 2023
Machine Age	mls	Client Info		<b>499798</b>	487737	274251
Oil Age	mls	Client Info		<b>12061</b>	13846	11030
Filter Age	mls	Client Info		<b>12061</b>	13846	11030
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>100	<b>34</b>	25	28
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>2</b>	<1	0
Lead	ppm	ASTM D5185m	>40	<b>3</b>	2	3
Copper	ppm	ASTM D5185m	>330	<b>4</b>	1	3
Tin	ppm	ASTM D5185m	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	<b>4</b>	3	4
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	<1
Fuel	%	ASTM D3524	>5	<b>1.8</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.9</b>	0.4	0.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.0</b>	7.8	7.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>20.7</b>	19.2	19.9
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185m		<b>7</b>	4	5
Boron	ppm	ASTM D5185m		<b>15</b>	8	7
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	1	0
Molybdenum	ppm	ASTM D5185m		<b>70</b>	64	69
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>881</b>	885	1074
Calcium	ppm	ASTM D5185m		<b>1325</b>	1080	1182
Phosphorus	ppm	ASTM D5185m		<b>1079</b>	1047	1118
Zinc	ppm	ASTM D5185m		<b>1262</b>	1214	1361
Sulfur	ppm	ASTM D5185m		<b>3568</b>	3295	3461
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.7</b>	14.5	15.1
Base Number (BN)	mg KOH/g	ASTM D2896		<b>10.07</b>	9.44	11.28
Visc @ 100°C	cSt	ASTM D445		<b>11.9</b>	12.9	13.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RW0005398  
**Lab Number** : 06225350  
**Unique Number** : 11103547  
**Test Package** : MOB 2 ( Additional Tests: FuelDilution, KV40, PercentFuel, TAN Man )

**Received** : 01 Jul 2024  
**Tested** : 03 Jul 2024  
**Diagnosed** : 03 Jul 2024 - Don Baldridge

**MICHIGAN WOOD CARRIERS**  
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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)