



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**TEREX FD6000 1541 (S/N 570011913)**  
Component  
**Rear Diesel Engine**  
Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (9 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RW0004367</b>	RW0002962	RW0004466
Sample Date		Client Info		<b>17 Nov 2023</b>	02 Nov 2023	08 Jun 2023
Machine Age	hrs	Client Info		<b>5658</b>	0	21754
Oil Age	hrs	Client Info		<b>568</b>	468	416
Filter Age	hrs	Client Info		<b>568</b>	468	416
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>24</b>	30	28
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	1	1
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	1
Copper	ppm	ASTM D5185m	>330	<b>2</b>	4	6
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	2
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

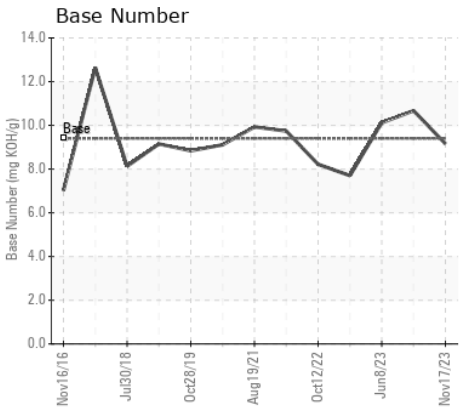
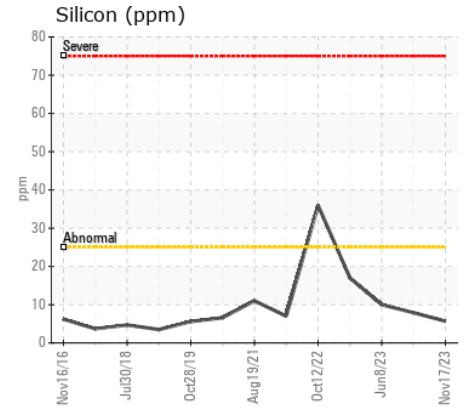
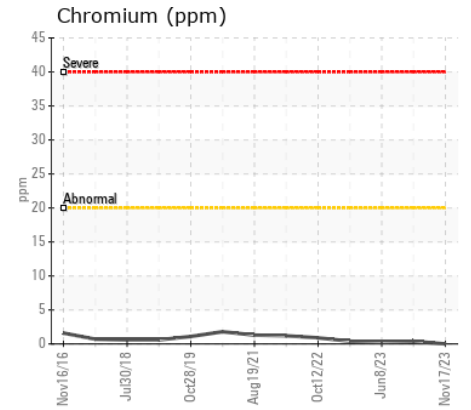
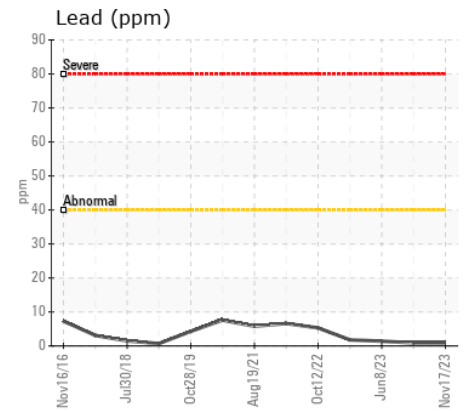
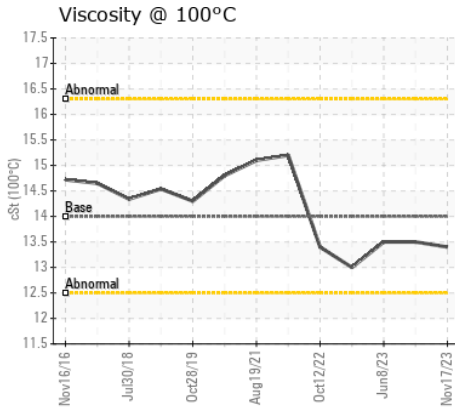
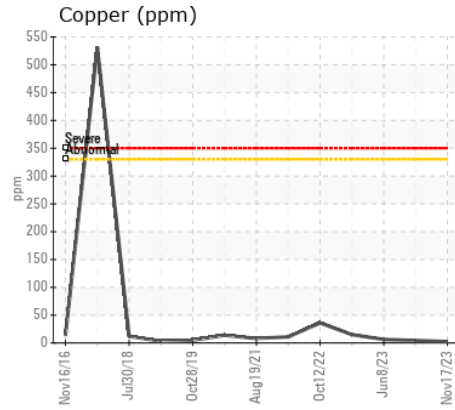
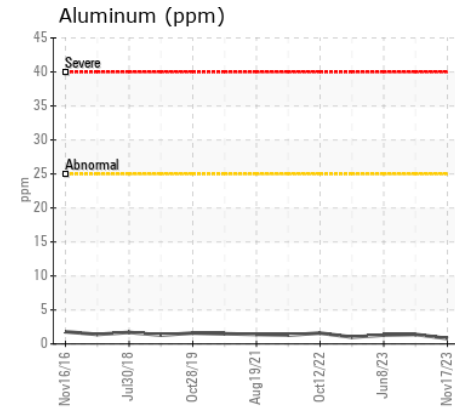
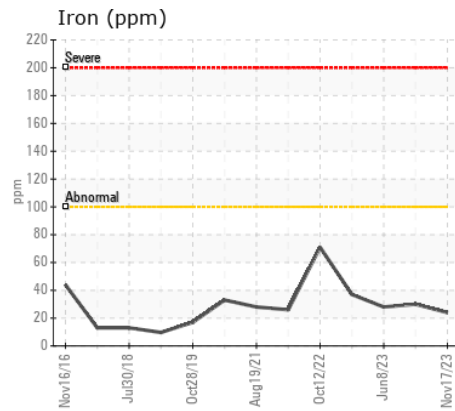
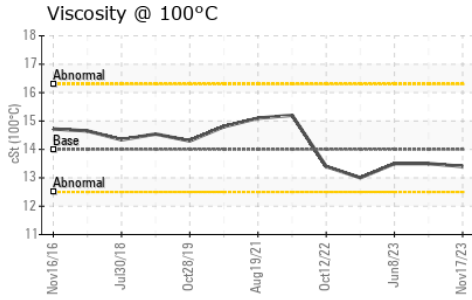
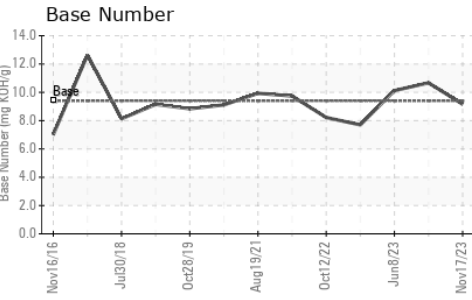
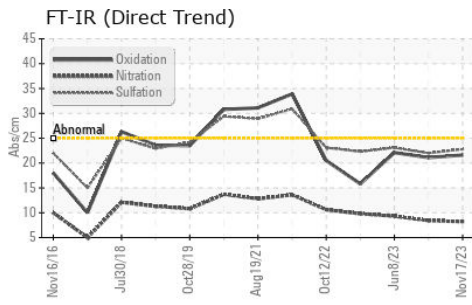
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>6</b>	8	10
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	1
Fuel		WC Method	>5	<b>&lt;1.0</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>0.5</b>	0.6	0.5
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.2</b>	8.4	9.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.8</b>	22.0	23.1
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

## 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		<b>3</b>	<1	3
Boron	ppm	ASTM D5185m	0	<b>42</b>	40	53
Barium	ppm	ASTM D5185m	0	<b>0</b>	4	0
Molybdenum	ppm	ASTM D5185m	0	<b>42</b>	44	43
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>558</b>	490	536
Calcium	ppm	ASTM D5185m		<b>1924</b>	1611	1724
Phosphorus	ppm	ASTM D5185m		<b>856</b>	755	785
Zinc	ppm	ASTM D5185m		<b>1028</b>	887	952
Sulfur	ppm	ASTM D5185m		<b>3230</b>	2585	2788
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>21.6</b>	21.1	22.1
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>9.16</b>	10.67	10.12
Visc @ 100°C	cSt	ASTM D445	14	<b>13.4</b>	13.5	13.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RW0004367  
**Lab Number** : 06160993  
**Unique Number** : 10996416  
**Test Package** : MOB 2

**Received** : 25 Apr 2024  
**Tested** : 26 Apr 2024  
**Diagnosed** : 26 Apr 2024 - Wes Davis

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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)