



# OIL ANALYSIS REPORT

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



Machine Id  
**TEREX MIXER FD6000 1502 (S/N SDG8AC6T950010566)**  
Component  
**Diesel Engine**  
Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (8 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RW0004369</b>	RW0004374	RW0004375
Sample Date		Client Info		<b>21 Nov 2023</b>	31 Jul 2023	08 May 2023
Machine Age	mls	Client Info		<b>254250</b>	247650	263644
Oil Age	mls	Client Info		<b>6597</b>	7000	5589
Filter Age	mls	Client Info		<b>6597</b>	7000	5589
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>21</b>	33	43
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	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	2	<1
Lead	ppm	ASTM D5185m	>40	<b>1</b>	2	3
Copper	ppm	ASTM D5185m	>330	<b>4</b>	7	10
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

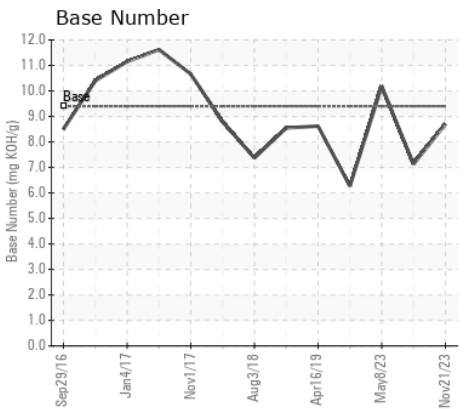
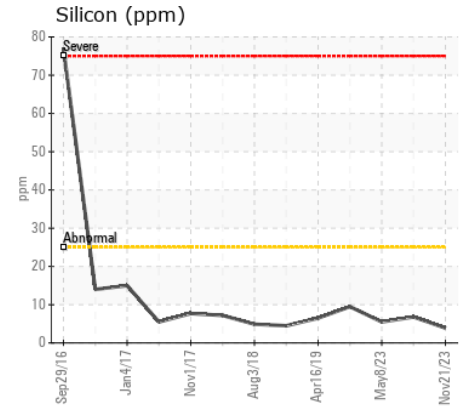
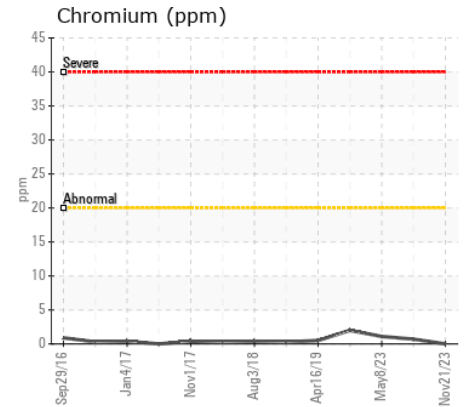
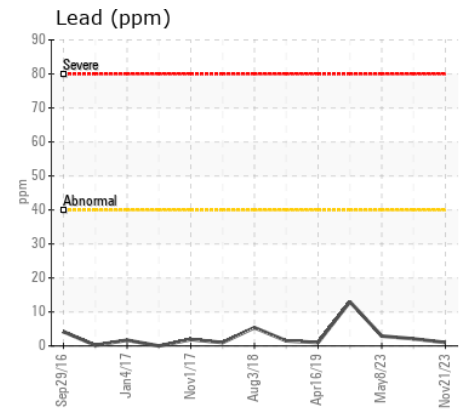
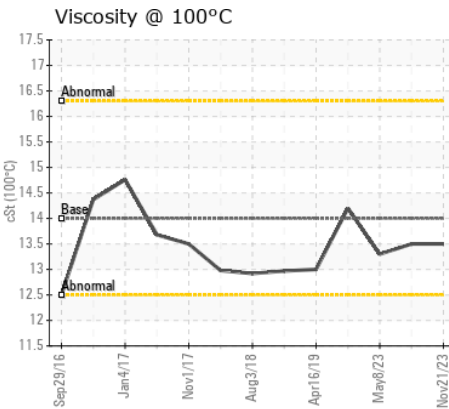
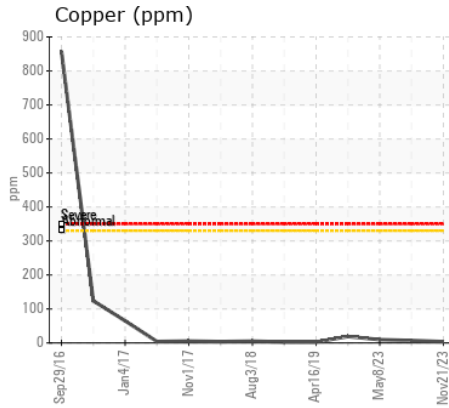
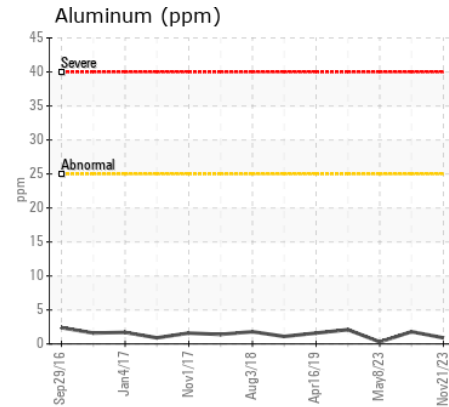
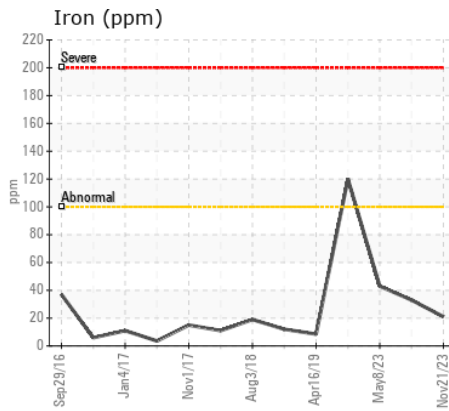
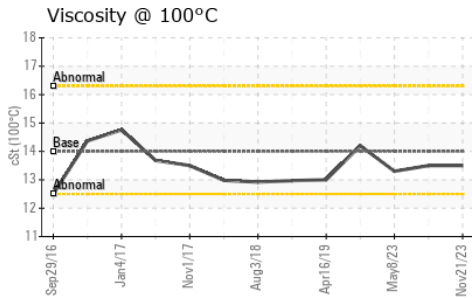
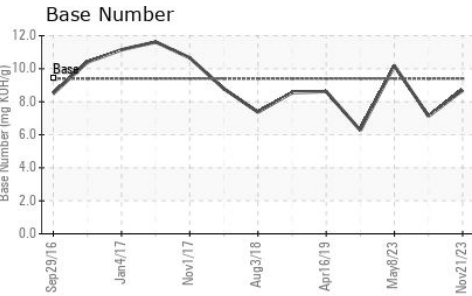
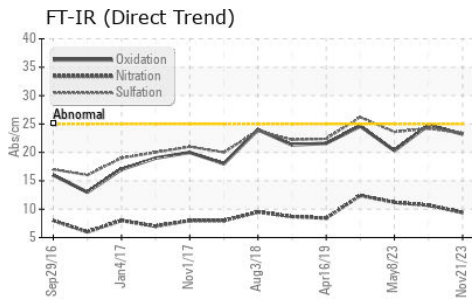
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>4</b>	7	6
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	3	2
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>0.3</b>	0.4	0.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.4</b>	10.7	11.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>23.4</b>	24.2	23.6
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>7</b>	5	5
Boron	ppm	ASTM D5185m	0	<b>33</b>	34	50
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>45</b>	43	31
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>576</b>	543	721
Calcium	ppm	ASTM D5185m		<b>1969</b>	1773	1445
Phosphorus	ppm	ASTM D5185m		<b>872</b>	782	737
Zinc	ppm	ASTM D5185m		<b>1036</b>	981	901
Sulfur	ppm	ASTM D5185m		<b>3228</b>	2779	3342
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>23.2</b>	24.8	20.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>8.70</b>	7.13	10.18
Visc @ 100°C	cSt	ASTM D445	14	<b>13.5</b>	13.5	13.3



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RW0004369  
**Lab Number** : 06160995  
**Unique Number** : 10996418  
**Test Package** : MOB 2  
**Received** : 25 Apr 2024  
**Tested** : 26 Apr 2024  
**Diagnosed** : 26 Apr 2024 - Wes Davis

**HOMER CONCRETE**  
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Certificate L2367  
 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)