



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id  
**TEREX FD6000 582 (S/N 008446)**  
Component  
**Rear Diesel Engine**  
Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (10 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RW0004893</b>	RW0004902	RW0002955
Sample Date		Client Info		<b>28 May 2024</b>	18 Dec 2023	13 Sep 2023
Machine Age	hrs	Client Info		<b>20000</b>	25400	0
Oil Age	hrs	Client Info		<b>400</b>	410	400
Filter Age	hrs	Client Info		<b>400</b>	410	400
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	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	<b>8</b>	6	8
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m	>20	<b>1</b>	1	1
Lead	ppm	ASTM D5185m	>150	<b>1</b>	<1	<1
Copper	ppm	ASTM D5185m	>90	<b>1</b>	0	<1
Tin	ppm	ASTM D5185m	>5	<b>1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

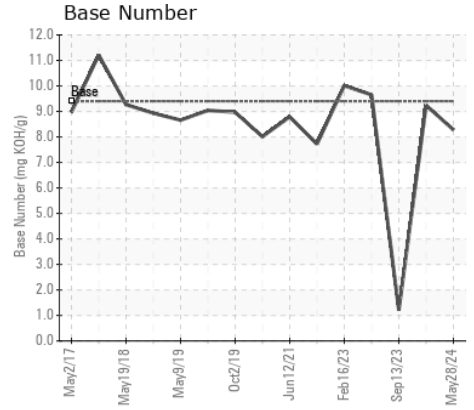
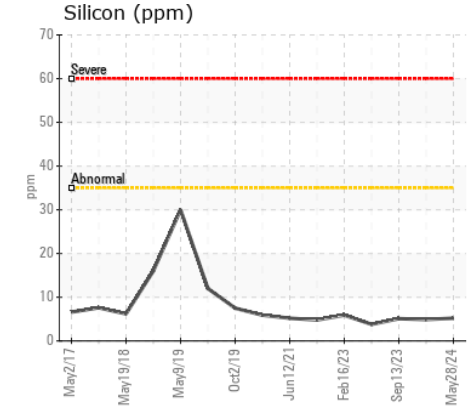
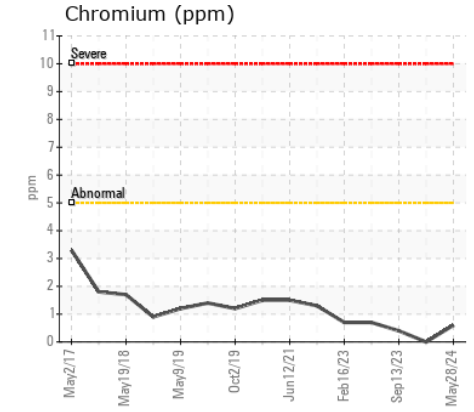
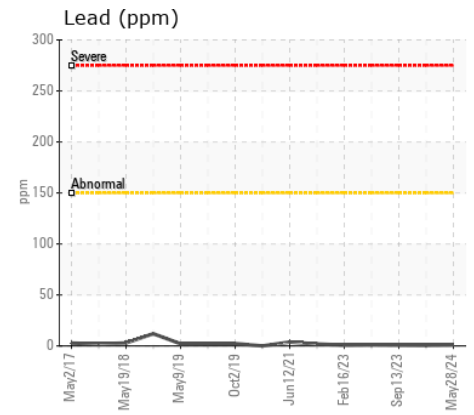
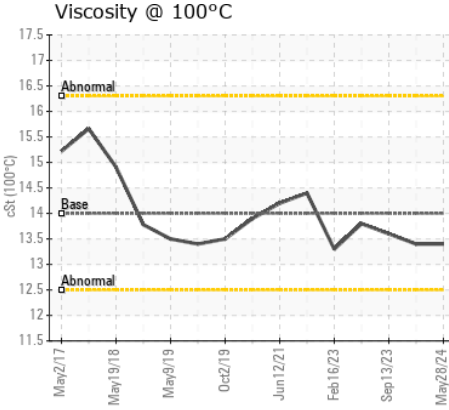
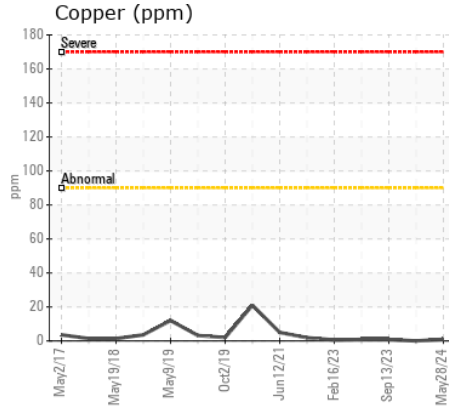
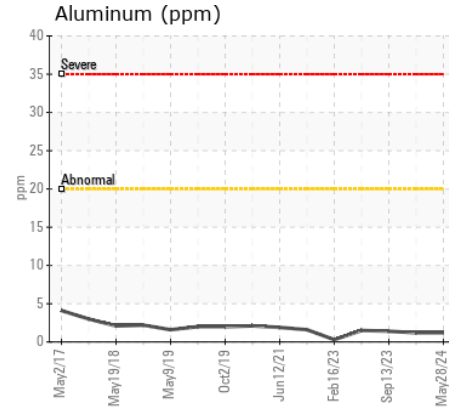
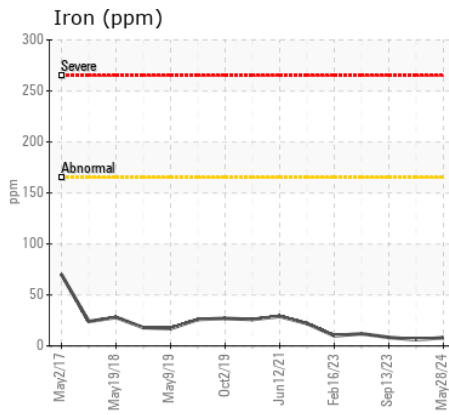
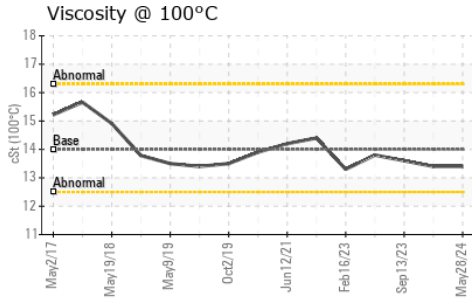
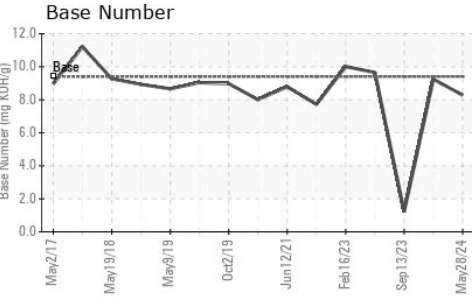
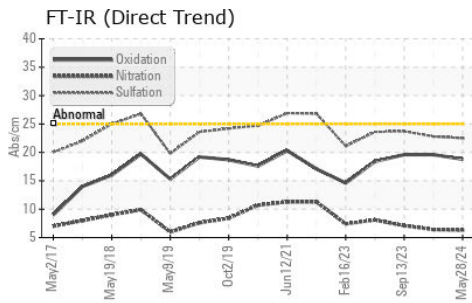
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	<b>5</b>	5	5
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	<1
Fuel		WC Method	>3.0	<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	>7.5	<b>1</b>	1	1.5
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.3</b>	6.4	7.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.5</b>	22.8	23.7
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>2</b>	2	0
Boron	ppm	ASTM D5185m	0	<b>65</b>	61	50
Barium	ppm	ASTM D5185m	0	<b>2</b>	0	4
Molybdenum	ppm	ASTM D5185m	0	<b>42</b>	43	44
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>510</b>	574	483
Calcium	ppm	ASTM D5185m		<b>1707</b>	1973	1614
Phosphorus	ppm	ASTM D5185m		<b>852</b>	888	743
Zinc	ppm	ASTM D5185m		<b>945</b>	1052	875
Sulfur	ppm	ASTM D5185m		<b>2736</b>	3371	2632
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>18.8</b>	19.6	19.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>8.28</b>	9.24	▲ 1.21
Visc @ 100°C	cSt	ASTM D445	14	<b>13.4</b>	13.4	13.6



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RW0004893  
**Lab Number** : 06196867  
**Unique Number** : 11058990  
**Test Package** : MOB 2  
**Received** : 31 May 2024  
**Tested** : 03 Jun 2024  
**Diagnosed** : 03 Jun 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)