



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**KENWORTH T800 3WKDD40X1GF109090**  
 Component  
**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>RW0004913</b>	RW0003005	RW0002147
Sample Date		Client Info		<b>26 Jan 2024</b>	03 Jun 2022	22 Feb 2022
Machine Age	hrs	Client Info		<b>10541</b>	0	9652
Oil Age	hrs	Client Info		<b>386</b>	503	579
Filter Age	hrs	Client Info		<b>386</b>	503	579
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	<b>15</b>	23	25
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	1	1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<b>2</b>	4	5
Lead	ppm	ASTM D5185m	>150	<b>&lt;1</b>	4	2
Copper	ppm	ASTM D5185m	>90	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>5	<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

## CONTAMINATION

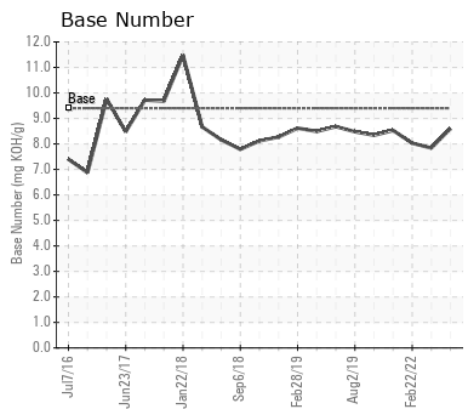
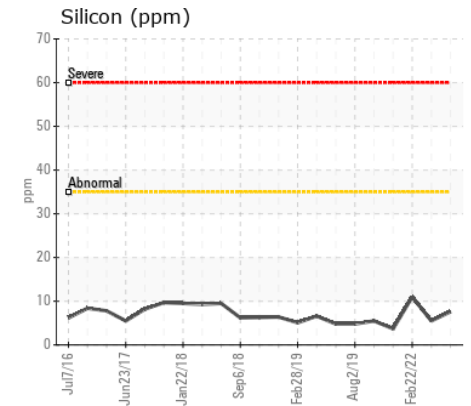
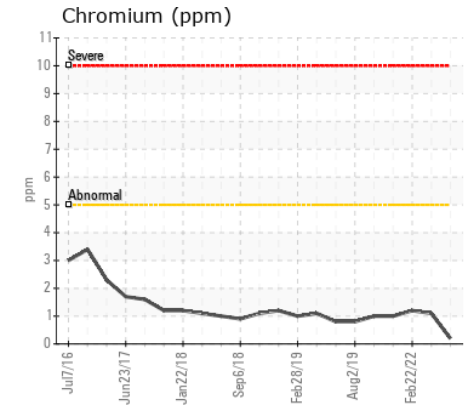
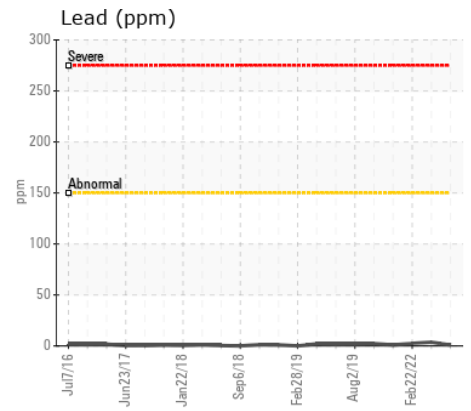
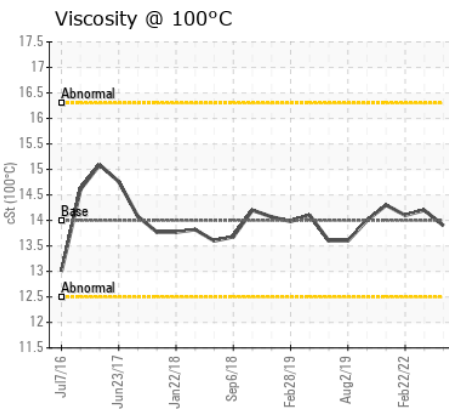
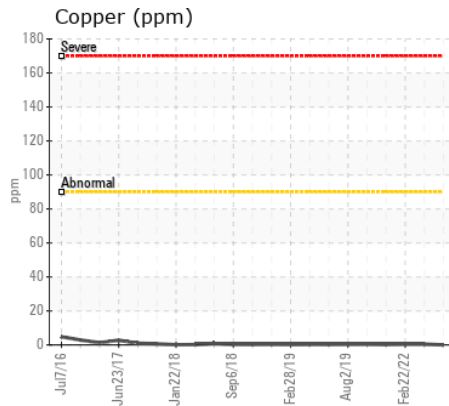
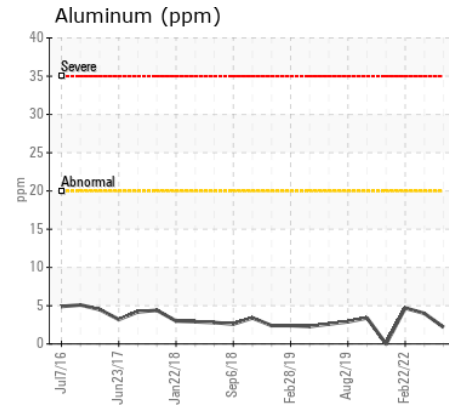
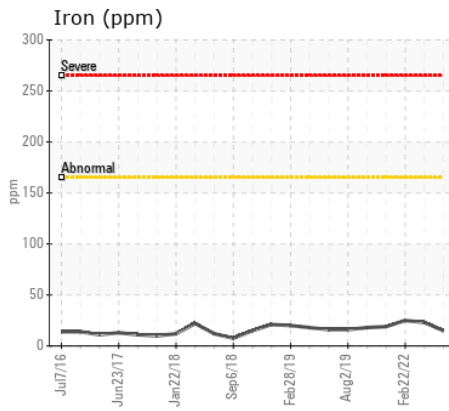
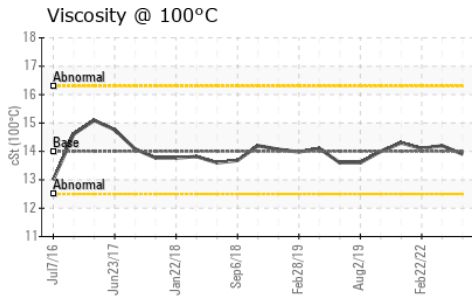
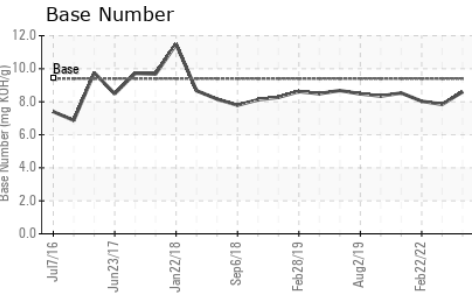
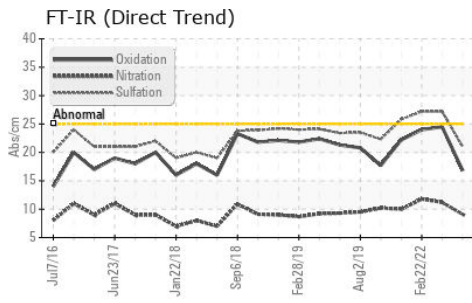
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	<b>8</b>	6	11
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	6	10
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>0.9</b>	1.6	1.7
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.1</b>	11.2	11.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.0</b>	27.2	27.2
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>	3	3
Boron	ppm	ASTM D5185m	0	<b>47</b>	59	54
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>30</b>	45	46
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>714</b>	531	541
Calcium	ppm	ASTM D5185m		<b>1778</b>	1783	1757
Phosphorus	ppm	ASTM D5185m		<b>879</b>	742	739
Zinc	ppm	ASTM D5185m		<b>1057</b>	919	916
Sulfur	ppm	ASTM D5185m		<b>3650</b>	2760	2766
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.8</b>	24.5	24.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>8.60</b>	7.84	8.03
Visc @ 100°C	cSt	ASTM D445	14	<b>13.9</b>	14.2	14.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RW0004913  
**Lab Number** : 06161008  
**Unique Number** : 10996431  
**Test Package** : MOB 2

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

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)

**HOMER CONCRETE**  
 205 S CEDAR ST  
 IMLAY CITY, MI  
 US 48444

Contact: DENNIS ONDRAJKA  
 homerconcrete@aol.com

T: (810)724-3905  
 F: (810)724-0733