



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		RW0004910	RW0004913	RW0003005
Sample Date		Client Info		22 May 2024	26 Jan 2024	03 Jun 2022
Machine Age	hrs	Client Info		10917	10541	0
Oil Age	hrs	Client Info		376	386	503
Filter Age	hrs	Client Info		376	386	503
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	18	15	23
Chromium	ppm	ASTM D5185m	>5	<1	<1	1
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m	>20	3	2	4
Lead	ppm	ASTM D5185m	>150	2	<1	4
Copper	ppm	ASTM D5185m	>90	1	0	<1
Tin	ppm	ASTM D5185m	>5	1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

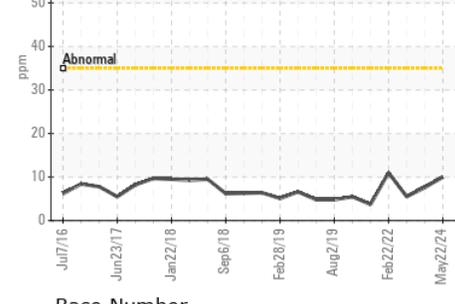
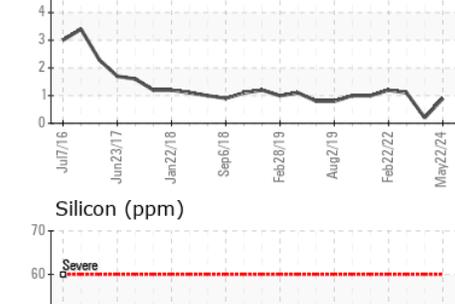
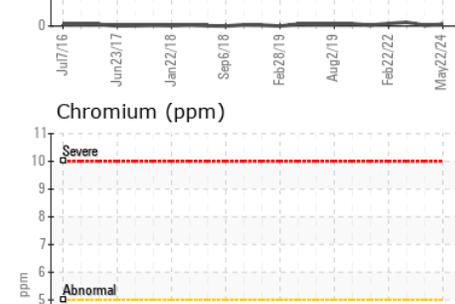
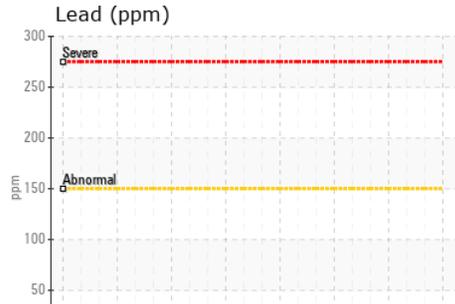
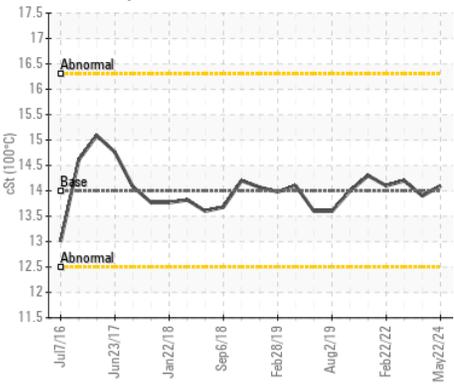
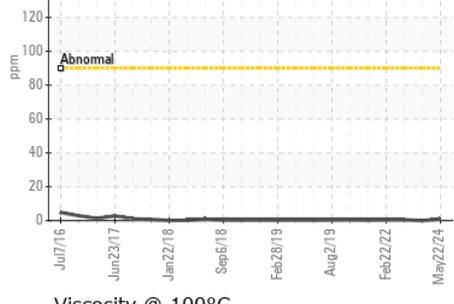
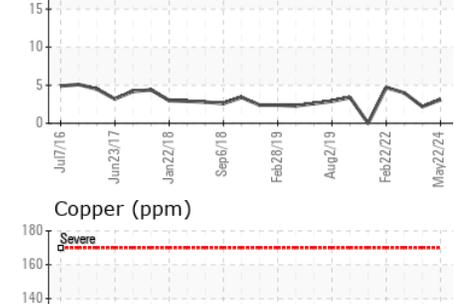
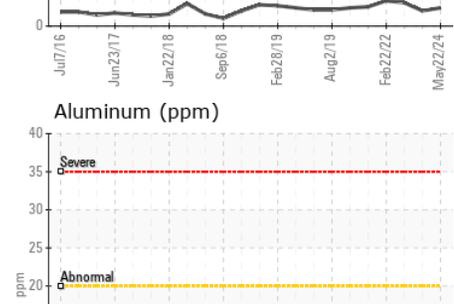
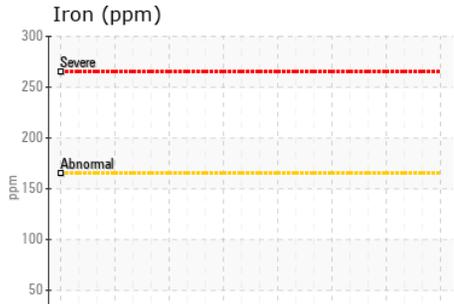
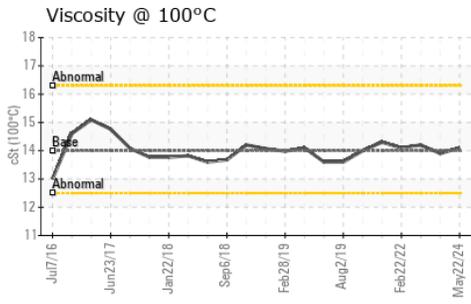
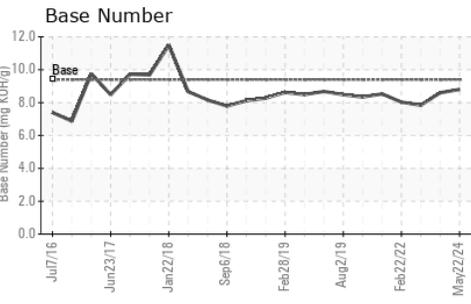
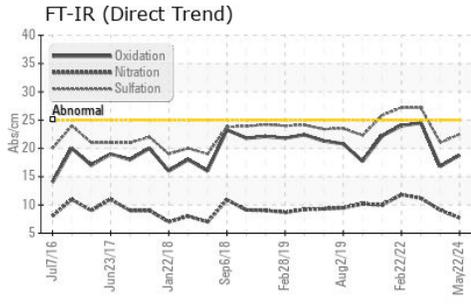
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	10	8	6
Potassium	ppm	ASTM D5185m	>20	10	5	6
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>7.5	0.6	0.9	1.6
Nitration	Abs/cm	*ASTM D7624	>20	7.7	9.1	11.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.5	21.0	27.2
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	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		2	2	3
Boron	ppm	ASTM D5185m	0	52	47	59
Barium	ppm	ASTM D5185m	0	2	0	0
Molybdenum	ppm	ASTM D5185m	0	43	30	45
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	561	714	531
Calcium	ppm	ASTM D5185m		1797	1778	1783
Phosphorus	ppm	ASTM D5185m		871	879	742
Zinc	ppm	ASTM D5185m		1008	1057	919
Sulfur	ppm	ASTM D5185m		2862	3650	2760
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.8	16.8	24.5
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	8.80	8.60	7.84
Visc @ 100°C	cSt	ASTM D445	14	14.1	13.9	14.2



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RW0004910
Lab Number : 06196862
Unique Number : 11058985
Test Package : MOB 2
Received : 31 May 2024
Tested : 03 Jun 2024
Diagnosed : 03 Jun 2024 - Wes Davis

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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)