

Machine Id **KENWORTH T880 T-891 (S/N 1NKZXPEX2PJ225380)** Component **Diesel Engine** Filuid **DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

RECOMMENDATION	
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Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

V	V	E,	Δ	R
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All component wear rates are normal.

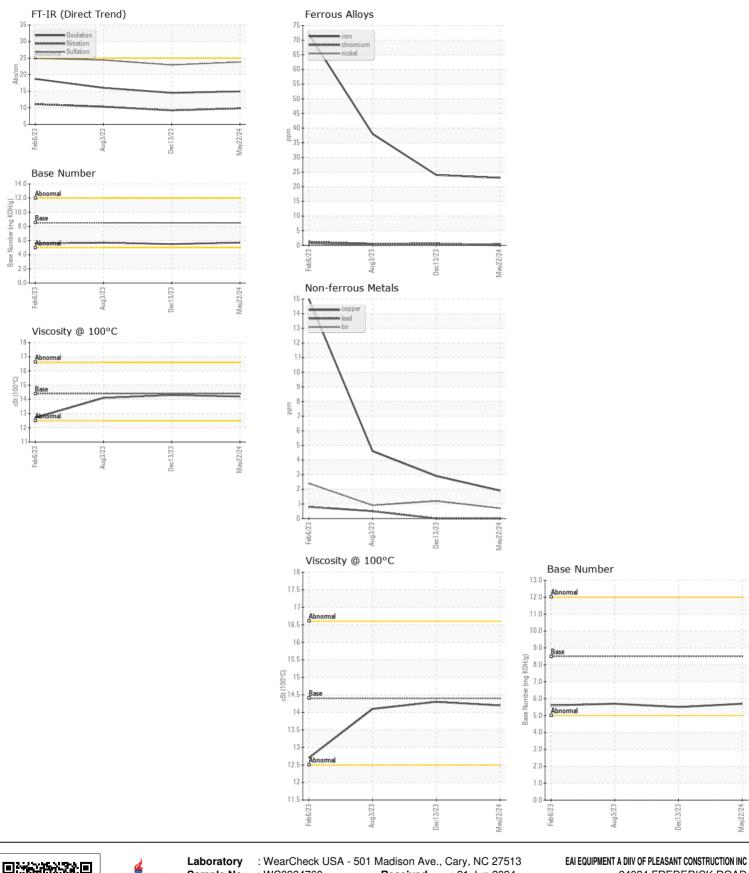
CONTAMINATION

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0934760	WC0804182	WC0804161
Sample Date		Client Info		22 May 2024	13 Dec 2023	03 Aug 2023
Machine Age	mls	Client Info		92217	72001	51942
Oil Age	mls	Client Info		0	0	0
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>100	23	24	38
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	6	8	11
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	2	3	5
Tin	ppm	ASTM D5185m	>15	<1	1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
0				•		
Silicon	ppm	ASTM D5185m	>25	8	9	9
Potassium	ppm	ASTM D5185m	>20	13	18	35
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	0/	WC Method	0	NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.6	0.5	0.5
Nitration	Abs/cm	*ASTM D7624	>20	9.8	9.2	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.8	22.9	24.4
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
Sodium	ppm	ASTM D5185m	>158	2	2	2
Boron	ppm	ASTM D5185m	250	2	2	3
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	2	4	3
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m	450	60	60	103
Calcium	ppm	ASTM D5185m	3000	2514	2287	2615
Phosphorus	ppm	ASTM D5185m	1150	972	1022	959
Zinc	ppm	ASTM D5185m	1350	1205	1149	1235
Sulfur	ppm	ASTM D5185m	4250	4505	3720	4496
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.9	14.5	16.0
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	5.7	5.5	5.7
Visc @ 100°C	cSt	ASTM D445	14.4	14.2	14.3	14.1

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.



EAI EQUIPMENT A DIIV OF PLEASANT CONSTRUCTION INC Sample No. : WC0934760 Received : 21 Jun 2024 24024 FREDERICK ROAD Lab Number : 06217487 Tested : 24 Jun 2024 CLARKSBURG, MD Unique Number : 11090351 Diagnosed : 24 Jun 2024 - Wes Davis US 20871 Test Package : CONST (Additional Tests: TBN) Contact: Service Manager 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. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Contact/Location: Service Manager - EAICLA Page 2 of 2